

2538

Chancellor's Docket No. 56
THE UNIVERSITY OF TEXAS SYSTEM
Office of the Chancellor

May 19, 1972

TO THE HONORABLE BOARD OF REGENTS
OF THE UNIVERSITY OF TEXAS SYSTEM

Mrs. Johnson and Gentlemen:

The dockets prepared by the component institutions listed below are herewith submitted with my recommendation for ratification or approval, as appropriate, at the meeting of the Board of Regents on June 9, 1972. The budget changes included in these dockets have been approved by me and are herewith submitted as a report to the Board of Regents.

The University of Texas at Austin
The University of Texas at El Paso
The University of Texas at Arlington
The University of Texas at Dallas
The University of Texas Southwestern Medical School at Dallas
The University of Texas Medical School at San Antonio
The University of Texas Dental School at San Antonio
The University of Texas Medical Branch at Galveston
The University of Texas Medical School at Houston
The University of Texas Dental Branch at Houston
The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston
The University of Texas Graduate School of Biomedical Sciences at Houston
The University of Texas School of Public Health at Houston
The University of Texas Nursing School (System-wide)

Listed below are U. T. System and Institutional items which I recommend for the Board's ratification or approval, as appropriate, including my report of budget changes.

APPROVAL TO CONTINUE EMPLOYMENT AFTER AGE 65

Mr. Ernest A. Weichert, Petroleum Engineer employed in University Lands-Geology, was 65 years old on May 4, 1972. Normal retirement would be August 31, 1972. Mr. Weichert is in good health and his work is excellent; also, he needs one more year of employment in order to earn ten years of creditable service in the Teachers' Retirement Program. System Administration recommends that Mr. Weichert's employment be continued through the 1972-73 fiscal year.

CONTRACTS AND AGREEMENTS

1. Interagency Contract between the Office of the Governor - Office of Information Services and The University of Texas System Administration in which the Office of the Governor will provide consulting services in the areas of computer services and systems and procedures. These services will be performed at various U. T. Component Institutions (thus involving travel) as well as U. T. System Administration in Austin. Reimbursement for travel expenses incurred in the performance of the consulting services will be determined in advance, billings to be made on a monthly basis. The contract period is February 22, 1972 through August 31, 1972, and the total amount of the contract will not exceed \$10,500.

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CONTRACTS AND AGREEMENTS (Continued)

2. Lease Agreement between The Citizens National Bank, Abilene, Texas and The University of Texas System - Regional Medical Program of Texas for office space in the Citizens National Bank Building of approximately 288 square feet, plus parking space for one automobile. The term of the lease is for one year beginning April 20, 1972 and ending April 19, 1973, and the rate is \$105 per month for a total of \$1,260.
3. Lease Agreement between Philip Saleh, Tyler, Texas and The University of Texas System - Regional Medical Program of Texas for office space consisting of three rooms totalling approximately 411 square feet located at 3613 South Broadway, Tyler, Texas. The term of the lease is for one year beginning May 1, 1972 and ending April 30, 1973, and the rate is \$150 per month or a total of \$1,800.
4. Amendment to the Lease Agreement between Koger Properties, Inc. (erroneously reported as Kroger Properties in the April 29 docket) and The University of Texas at San Antonio to add 1,424 square feet of space at the previously agreed rate of 0.4366 cents per square foot per month, or an increase of \$621.72 per month, effective June 1, 1972 through May 31, 1974. The office space is located in the San Jacinto Building at 4242 Piedras Drive East, San Antonio, Texas. The total square feet now under lease will be 9,461, and the total monthly cost is \$4,130.67.

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REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGET

Office of the Board of Regents

1. Transfer \$4,000 from the System Administration Unallocated Account to the Board of Regents - Maintenance, Operation, and Equipment account to provide additional funds needed for operating expenses of this office. (RBC# D-117)

Office of the Comptroller

2. Resign Thomas M. Grady as System Auditor at an annual salary rate of \$18,000 effective April 30, 1972. Mr. Grady is transferring to the U. T. Nursing School as Business Manager. (RBC# D-115)
3. Change the status of Joe A. Powell from Staff Auditor at an annual salary rate of \$12,600 to System Auditor at an annual salary rate of \$13,200 effective May 1, 1972. (RBC# D-118)

Law Office of The University of Texas System

4. Transfer \$2,000 from the Available University Fund Unallocated Operating Account to the Law Office Maintenance, Operation, and Equipment account to provide additional funds needed for operating expenses and for purchase of books for the office law library. (RBC# D-120)

Legal Expenses and Other Services

5. Transfer \$5,000 from the Available University Fund Unallocated Operating Account to the account for Legal Expenses and Other Services to cover attorneys fees and expenses in conjunction with several legal actions in process. (RBC# D-111)

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGET (Continued)System Personnel Office - Workmen's Compensation Insurance Division

6. Transfer \$2,000 from the W.C.I. - Physical Examinations account to the W.C.I. - Clerical Assistants account to provide funds for additional clerical employees needed in connection with increases in W.C.I. claims, Unemployment Compensation Insurance procedures, and initiation of the new Cash Value Life Insurance program. (RBC# D-110)

Office of Facilities Planning and Construction

7. Appoint Robert E. Bogue as Construction Inspector at an annual salary rate of \$12,000 effective April 17, 1972. (RBC# D-112)
8. Appoint Billy J. Broadus, Sr. as Structural Engineer at an annual salary rate of \$18,000 effective May 1, 1972. (RBC# D-121)
9. Appoint Edwin W. Hubbard, Jr., as Junior Construction Inspector at an annual salary rate of \$9,500 effective May 15, 1972. Mr. Hubbard will be employed full time through May 29 and three-fourths time beginning May 30. (RBC's #D-122, D-124)
10. Resign Frank M. Louis, Construction Inspector at an annual salary rate of \$12,000, effective April 30, 1972. (RBC# D-114)
11. Change the status of James C. Hunt from Senior Construction Inspector at an annual salary rate of \$13,500 to Resident Construction Manager at an annual salary rate of \$17,000 effective May 1, 1972. (RBC# D-123)
12. Transfer of Funds:
- From: Office of Facilities Planning and Construction Revolving Fund
- To: Office of Facilities Planning and Construction Operating Budget -
- | | |
|---------------------------------------|------------------|
| Administrative Salaries | \$200,220 |
| Classified Salaries | 11,732 |
| Maintenance, Operation, and Equipment | 31,000 |
| Travel | 35,000 |
| Allotment Account | <u>200,000</u> |
| Total | <u>\$477,952</u> |

This transfer represents an adjustment of the Facilities Office accounts in relation to the expanded construction program in The U. T. System. (RBC# D-116)

Office of Federal Projects

13. Increase the annual salary rate of Irene S. West, Executive Assistant to the Director, from \$13,800 to \$14,600 effective May 1, 1972. Source of funds for the salary increase is a transfer from the Classified Personnel salaries account in this office. (RBC's #D-125, D-126)

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGET (Continued)Regional Medical Program of Texas (U. S. Department of Health, Education, and Welfare Grant)

14. Correct the title of James C. Karsch to Regional Representative, rather than Operations Officer as originally reported. There is no change in Mr. Karsch's appointment date of March 15, 1972 or salary rate of \$13,000. (RBC# D-119)
15. Appoint Billy D. Gwartney as Operations Officer at an annual salary rate of \$13,000 effective April 17, 1972. (RBC# D-109)

The University of Texas at San Antonio

16. Appoint Salvador H. Gomez as Director of Student Financial Aids and Placement at an annual salary rate of \$17,000 effective July 1, 1972. Source of Funds: Unallocated Account. (RBC's #SAA-41, SAA-42)
17. Appoint Jack D. Frost as Director of Data Processing at an annual salary rate of \$18,000 effective May 15, 1972. Source of Funds: Unallocated Account. (RBC's #SAA-40, SAA-43)
18. Appoint Richard E. W. Adams as Dean of Humanities and Social Sciences at an annual salary rate of \$28,000 effective June 12, 1972. (RBC# SAA-44)
19. Appoint James H. Wharton as Dean of Natural Sciences and Mathematics at an annual salary rate of \$28,000 effective June 15, 1972. (RBC# SAA-45)
20. Appoint Michael F. Kelly as Director of University Libraries at an annual salary rate of \$20,000 effective May 15, 1972. (RBC# SAA-46)

The University of Texas Institute of Texan Cultures at San Antonio

21. Resign Mary Sue Flanagan, Assistant to the Executive Director at an annual salary rate of \$12,600, effective June 30, 1972. Miss Flanagan will be on leave-without-pay status from June 21 through her resignation date of June 30. (RBC's #TC-141, TC-142)
22. Appoint Marion B. Travis as Assistant to the Executive Director at an annual salary rate of \$12,600 effective May 15, 1972. (RBC# TC-143)

The University of Texas of the Permian Basin

23. Change the status of Henry W. Hise from Assistant to the President at an annual salary rate of \$14,000 to Executive Director of Development at an annual salary rate of \$16,000 effective May 1, 1972. (RBC's #PB-110, PB-111)

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGETThe University of Texas of the Permian Basin (continued)

24. The following transfers represent reallocations through the Unallocated Salaries account to provide for additional positions needed in the Learning Resources Center:

From: News and Information - Classified Salaries	\$ 7,694
Office of Executive Director of Student Services - Classified Salaries	<u>5,033</u>
Total	<u>\$12,727</u>
To: Learning Resources Center - Classified Salaries	\$10,920
Unallocated Salaries	<u>1,807</u>
Total	<u>\$12,727</u>

(RBC# PB-114, PB-115, PB-120, PB-121)

25. Transfer \$2,000 from the Office of the Dean of Management and General Studies Travel account to the Office of the Vice President for Academic Affairs Travel account to reimburse the Academic Affairs Office for travel expenditures related to the College of Management. (RBC# PB-131)

OTHER FISCAL ITEMS

Transferred to Page 77 of the Minutes.

H. T. Dallas Endowment

~~It is recommended that a grant of \$1,010,000 from the Excellence in Education Foundation of Dallas, Texas, be accepted and administered by the Board of Regents of The University of Texas System as a Permanent Endowment Fund for the use and benefit of The University of Texas at Dallas. The income (only) from the fund shall be expended from time to time for such needs and purposes of The University of Texas at Dallas, as the Board of Regents may consider appropriate.~~

Sincerely,

Charles A. LeMaistre / a.

Charles A. LeMaistre, M.D.
Chancellor

CAL:bb

THE UNIVERSITY OF TEXAS AT AUSTIN

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June 9, 1972

Meeting

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The UNIVERSITY of TEXAS at AUSTIN

Office of the President

May 12, 1972

Chancellor Charles A. LeMaistre
The University of Texas System
Austin, Texas 78712

Dear Chancellor LeMaistre:

The following docket for The University of Texas at Austin is submitted for your approval and submission to the Board of Regents at its meeting in Austin on June 9, 1972.

RESEARCH AND OTHER ACADEMIC CONTRACTS: The following contracts, grants and amendments have been signed by the appropriate official upon recommendation of the respective technical directors, fiscal officers, and the Office of Sponsored Projects.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. Personnel appointments and changes will be in accordance with University salary rates and approvals. Travel and purchasing will conform to established procedures.

I recommend your approval and ratification of signatures.

CONTRACTS and GRANTS (Federal):

1. Modification AFOSR-69-1764D to Grant AFOSR-69-1764, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Adaptive Information Systems for Decision Making," continues under the direction of Dr. D. G. Lainiotis, Professor of Electrical Engineering.
2. Modification AFOSR-71-1973B to Grant AFOSR-71-1973, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Calculations of Surface Properties of Solids," continues under the direction of Dr. F. W. DeWette, Professor of Physics.
3. Modification AFOSR-71-1998C to Grant AFOSR-71-1998, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Aeroelastic Stability of Thin Shell Structures at Subsonic Mach Numbers and the Active Suppression of Flutter Phenomena," continues under the direction of Dr. Ronald O. Stearman, Associate Professor of Aerospace Engineering and Engineering Mechanics.

4. Modification AFOSR-71-2130A to Grant AFOSR-71-2130, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, provides \$24,877 additional funds and extends the period of the grant through August 31, 1973. The research entitled, "Smoothing and Representation of Functions of Several Variables with Applications to the Simulation of Complex Systems," continues under the direction of Dr. E. W. Cheney, Professor of Mathematics.
5. Modification AFOSR-72-2158A to Grant AFOSR-72-2158, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Electron Interactions with Highly Ionized Oxygen," continues under the direction of Dr. C. Fred Moore, Professor of Physics.
6. Modification AFOSR-72-2199A to Grant AFOSR-72-2199, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Magnetic and Electrical Properties of Novel Compounds in the Alkaline Earth-Transition Metal-Sulfur and Selenium Systems," continues under the direction of Dr. Hugo Steinfink, Professor of Chemical Engineering.
7. Modification AFOSR-72-2221A to Grant AFOSR-72-2221, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Learning Control Applications to Thermonuclear Reactor Control," continues under the direction of Dr. D. G. Lainiotis, Professor of Electrical Engineering.
8. Modification AFOSR-72-2233A to Grant AFOSR-72-2233, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, incorporates the following statement into the contract: "All amounts not paid as of 31 May 1972 shall be combined and paid in a single lump sum on or about 1 June 1972." The research entitled, "Orbit Determination in the Presence of Unmodeled Accelerations," continues under the direction of Dr. Byron D. Tapley, Professor of Aerospace Engineering and Engineering Mechanics.
9. Grant AFOSR-72-2308, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, provides \$34,320 for support of research entitled, "Bulk and Surface Properties of Metals." The grant is effective for the period September 1, 1972 through August 31, 1973, and the research will be under the direction of Dr. Leonard Kleinman, Professor of Physics.
10. Grant AFOSR-72-2343, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, provides \$29,752 for support of research entitled, "The Effect of Grain Size on Thermal Diffusion in Metals." The grant is effective for the period June 1, 1972 through May 31, 1973, and the research will be under the direction of Dr. John P. Stark, Associate Professor of Mechanical Engineering.

11. Modification P00003, Supplemental Agreement to Contract F44620-71-C-0091, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, extends the period of the contract through March 31, 1973, increases the estimated cost by \$400,000 and of that amount currently funds \$200,000 for the period through September 30, 1972. The program entitled, "Basic Research in Electronics (JSEP)," continues under the direction of Dr. Arwin A. Dougal, Professor of Electrical Engineering.
12. Modification P00004, Supplemental Agreement to Contract F44620-71-C-0091, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, increases cost of contract and provides \$200,000 additional funds for eight items of special test equipment. The research entitled, "Basic Research in Electronics (JSEP)," continues under the direction of Dr. Arwin A. Dougal, Professor of Electrical Engineering.
13. Modification P00004, Supplemental Agreement to Contract F33615-71-C-1350, by which the United States Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, increases the estimated cost of the contract by \$330,786 to a new total of \$640,373 and currently funds \$130,000. The period for performance is extended through March 31, 1973, and the advance avionics analysis and evaluation program continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
14. Contract F41609-72-C-0018, by which the Department of the Air Force, Headquarters Aerospace Medical Division (AFSC), Brooks Air Force Base, Texas, provides \$14,964 for support of research entitled, "Functional Vision Loss Due to Lasers." The contract is effective for the period March 20, 1972 through March 19, 1973, and the research will be under the direction of Dr. Ashley J. Welch, Associate Professor of Electrical Engineering, and Dr. V. Lawrence Sewell, Research Engineer Associate V.
15. Modification No. 8 to Contract DA-49-193-MD-2942, by which the Department of the Army, Army Medical Research and Development Command, Washington, D. C., makes certain changes to the Accounting and Appropriation Data of the contract. The research entitled, "Novel 4-Quinolinemethanol Antimalarials," was under the direction of Dr. Royston M. Roberts, Professor of Chemistry.
16. Contract DACW64-72-C-0040, by which the Department of the Army, U. S. Army Corps of Engineers, Galveston District, Galveston, Texas, provides \$12,090.49 for support of archeological investigations and evaluation of archeological sites of Highland Bayou, Cedar Bayou, Taylors Bayou and LaQuinta Channel, Texas. The contract is effective for the period March 14, 1972 through May 2, 1972, and the investigations will be under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
17. Modification No. 03, Supplemental Agreement to Contract N00014-67-A-0126-0011, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, adds funds of \$35,000 and extends the period of the contract through February 28, 1973. The research entitled, "The Continuation of the Study of the Detection of Magnetic Anomalies by Means of the Perturbation in the Natural Geomagnetic Field," continues under the direction of Dr. H. W. Smith, Professor of Electrical Engineering.

18. Modification No. 03, Supplemental Agreement to Contract N00014-67-A-0126-0012, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$167,505 additional funds and extends the period of the contract through December 31, 1972. The research entitled, "X-rays from Fission," continues under the direction of Dr. C. Fred Moore, Professor of Physics, and Dr. Patrick Richard, Associate Professor of Physics.
19. Contract N00014-67-A-0126-0018, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$12,847 for support of research entitled, "Atoms on Metal Surfaces." The contract is effective for the period April 1, 1972, through March 31, 1973, and the research will be under the direction of Dr. P. R. Antoniewicz, Associate Professor of Physics.
20. Contract N00014-67-A-0126-0019, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$24,318 for support of research entitled, "A Capacitance Technique for the Study of Gas Molecule-Surface Interactions." The contract is effective for the period April 1, 1972 through March 31, 1973, and the research will be under the direction of Dr. William D. McCormick, Associate Professor of Physics.
21. Modification No. 02, Supplemental Agreement to Contract N00014-70-A-0166-0005, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$30,000 additional funds and extends the period of the contract through March 14, 1973. The research entitled, "Measurement of Acoustic Velocity During Coring," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
22. Modification No. 02, Supplemental Agreement to Contract N00014-70-A-0166-0008, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$15,000 additional funds, increases the total estimated cost to \$95,000 and changes the contract title to "Mine Countermeasures." The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
23. Modification P00023, Supplemental Agreement to Contract N00024-68-C-1339, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period for performance under the contract through August 31, 1972, without increasing the total estimated cost. The research and development on a high resolution sonar for use on small river boats continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
24. Modification P00006, Supplemental Agreement to Contract N00024-70-C-1089, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., increases the estimated cost of the contract by \$10,000 to a new total of \$94,000 and extends the period for performance through December 31, 1972. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
25. Modification P00004, Supplemental Agreement to Contract N00024-70-C-1395, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period through June 1, 1973, increases the estimated cost by \$25,000 to a new total of \$75,000 and adds the Stabilization of Prices, Rents, Wages and Salaries Clause. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

26. Modification P00009 to Contract N00024-70-C-1184, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period of the contract through December 31, 1972, or until all funds shall have been expended, whichever occurs first. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
27. Modification P00009, Supplemental Agreement to Contract N00024-71-C-1185, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., makes certain changes to the "Deliveries and Performance" section of the contract, without changing the total estimated cost, and extends the period for performance through June 30, 1972. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
28. Modification P00010 to Contract N00024-71-C-1185, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period of the contract through June 30, 1972, or until all funds shall have been expended, whichever occurs first. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
29. Modification P00002, Supplemental Agreement to Contract N00123-71-C-1593, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, extends the period of the contract through May 1, 1972, without otherwise changing it. The research entitled, "Development of Sound Transmitter," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
30. Modification P00001, Supplemental Agreement to Contract N00024-72-C-1008, by which the Department of the Navy, Naval Ship Systems Command, Washington, D.C., provides \$145,000 for support of additional work under the contract, increases the total estimated cost to \$909,000 and extends the period for performance through March 1, 1973. The research entitled, "Computer Aided Classification," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
31. Modification P00001, Supplemental Agreement to Contract N00017-72-C-1405, by which the Department of the Navy, Naval Ordnance Systems Command, Washington, D. C., provides \$50,000 additional funds and increases the total estimated cost to \$500,000. The evaluation of counter-countermeasures systems and techniques continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
32. Modification P00002, Supplemental Agreement to Contract N00024-72-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds \$220,000 to \$335,000 prior funds for a total of \$555,000 toward the \$869,000 total estimated cost of the contract. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
33. Contract N00024-72-C-1160, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$75,000 for support of research entitled, "Target Classification." The contract is effective for the period April 10, 1972, through December 1, 1972, and the work will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

34. Modification P00002, Supplemental Agreement to Contract N00024-72-C-1228, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., incorporates into the contract the Advance Payments, Findings and Authority Clause in accordance with the Advance Payments Pool Agreement, dated February 3, 1971, between the Government and the University, without otherwise changing it. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
35. Contract N00024-72-C-1290, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$50,000 for support of research entitled, "AN/BQN-17 Breadboard Engineering Support." The contract is effective for the period March 24, 1972 through March 23, 1973, and the work will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
36. Modification P00002, Supplemental Agreement to Contract N00017-72-C-1405, by which the Department of the Navy, Naval Ordnance Systems Command, Washington, D. C., incorporates into the contract the "Special Items of Allowable Cost" clause negotiated but inadvertently omitted from the original contract. The evaluation of counter-countermeasures systems and techniques continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
37. Modification P00003, Supplemental Agreement to Contract N00017-72-C-1405, by which the Department of the Navy, Naval Ordnance Systems Command, Washington, D. C., incorporates into the contract the advance payments, finding and authority clauses in accordance with the Advance Payments Pool Agreement, dated February 3, 1971, between the Government and the University. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
38. Modification P00005, Supplemental Agreement to Contract N60921-71-C-0227, by which the Department of the Navy, U. S. Naval Ordnance Laboratory, White Oak, Silver Spring, Maryland, provides \$450,000 additional funds, increases the total estimated cost to \$850,000 and extends the period for performance under the contract through November 30, 1972. The research and development on acoustic mine mechanisms continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
39. Contract NAS8-28511, by which the National Aeronautics and Space Administration, George C. Marshall Space Flight Center, Marshall Space Flight Center, Alabama, provides \$9,878 for support of research entitled, "Observation of Man/System Integration in the Man/System Simulator." The contract is effective for the period March 22, 1972 through December 21, 1972, and the research will be under the direction of Dr. Robert L. Helmreich, Associate Professor of Psychology.
40. Supplement No. 1 to Grant NGR 44-012-202, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$3,554 additional funds and extends the period of the grant through June 30, 1972. The research entitled, "Infrared Site Testing at McDonald Observatory," continues under the direction of Dr. Harlan J. Smith, Professor of Astronomy, and Director, Research in Astronomy (McDonald Observatory).
41. Grant NGR 44-012-215, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$9,624 for support of research entitled, "Low Noise Spectroscopy of the Solar Photosphere and Sunspots." The grant is effective for the period April 1, 1972 through March 31, 1973, and the research will be under the direction of Dr. David L. Lambert, Associate Professor of Astronomy.

42. Modification No. 3, Supplemental Agreement to Contract No. 82-48-71-18, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., deletes original budget and substitutes budget which shifts money from consultants category to facilities and supplies category. The research entitled, "Nonapprentice Entry to Selected Construction Trades," continues under the direction of Dr. F. Ray Marshall, Professor of Economics.
43. Modification No. 2 to Contract No. 14-08-0001-12278, by which the Department of the Interior, U. S. Geological Survey, Menlo Park, California, extends the period of the contract through September 15, 1972. The research entitled, "Mapping of Stress Field in the Upper Earth Crust of the United States," continues under the direction of Dr. Hilmar von Schonfeldt, Assistant Professor of Petroleum Engineering; Dr. Ralph Kehle, Associate Professor of Geology; and Dr. Kenneth E. Gray, Halliburton Annual Professor of Petroleum Engineering.
44. Modification No. 2 to Contract H0110401, by which the U.S. Department of the Interior, Bureau of Mines, Washington, D. C., provides \$15,050 additional funds for purchase of certain equipment. The research entitled, "Early Warning System of Impending Rock Failure for Safety in Mines and Excavations," continues under the direction of Dr. Kenneth E. Gray, Halliburton Annual Professor of Petroleum Engineering, and Dr. A. L. Podio, Assistant Professor of Petroleum Engineering.
45. Grant Agreement IA-15914-23-G, by which the United States Information Agency, Washington, D. C., provides \$16,320 for support of a project entitled, "Exhibition of The University of Texas at Austin Collection of American Paintings in Bucharest and Berlin." The grant is effective beginning April 19, 1972, and the project will be under the direction of Dr. Donald B. Goodall, Professor of Art, and Director, The University Art Museum.
46. Amendment No. 7 to Grant OEG-0-70-1878 (715), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides additional funds of \$5,697. The program entitled, "Teacher Corps In-Service Training," continues under the direction of Dr. David Ballesteros, Visiting Associate Professor of Curriculum and Instruction.
47. Revision No. 1 to Grant OEG-0-71-1069 (725), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$63,259 additional funds and extends the period of the grant through June 30, 1973. The National Program for Educational Leadership continues under the direction of Dr. Michael P. Thomas, Professor of Educational Administration.
48. Contract OEC-0-72-1547, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$13,000 for support of a summer intensive language program in Latin American studies. The contract is effective for the period April 15, 1972 through October 1, 1972, and the program will be under the direction of Dr. Frederick Hensey, Associate Professor of Spanish and Portuguese.
49. Grant OEG-0-72-1121 (715), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$118,279 for support of the Teacher Corps Training Program, Seventh Cycle. The grant is effective for the period April 3, 1972 through August 20, 1972, and the program will be under the direction of Dr. David Ballesteros, Visiting Associate Professor of Curriculum and Instruction.
50. Grant OEG-0-72-7514(320), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$19,700 for support of two continuing graduate fellowships in library science. The grant is effective

for the period April 14, 1972 through September 28, 1973, and the program will be coordinated by Stanley Mc Elderry, Professor of Library Science, and Dean, Graduate School of Library Science.

51. Contract OEC-6-72-0731-(509), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$6,405 for support of research entitled, "An Evaluation of Innovative Programs Designed to Increase Persistence and Academic Performance of High Risk Students in Community Colleges." The contract is effective for the period April 15, 1972 through September 30, 1972, and the research will be under the direction of Dr. John E. Roueche, Professor of Educational Administration.
52. Contract OEC-6-72-0732-(509), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$5,061 for support of research entitled, "Increasing Student Attention: A Learning Theory Approach with Emphasis on Transfer to the Regular Classroom." The contract is effective for the period April 1, 1972 through August 30, 1972, and the research will be under the direction of Dr. Edmund T. Emmer, Assistant Professor of Educational Psychology.
53. Grant Letter dated April 3, 1972, by which the Department of Health, Education, and Welfare, Health Services and Mental Health Administration, Maternal and Child Health Service, Rockville, Maryland, provides \$105,803 for continued support of MCH Project #259, entitled "Social Work Training in Relation to Handicapped Children." The grant is effective for the period April 1, 1972 through March 31, 1973, and the project continues under the direction of Dr. Jack Otis, Dean, Graduate School of Social Work.
54. Modification No. 7, Supplemental Agreement to Contract PH-43-67-1143, by which the Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, provides \$47,148 additional funds and extends the period of the contract through October 31, 1972, plus an additional 30 days for preparation of final report. The research entitled, "Chronic Toxicity of Various Classes of Cancer Chemotherapeutic Agents," continues under the direction of Dr. Jean Scholler, Professor of Pharmacology.
55. Biomedical Sciences Support Grant RR 07091-07, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$91,394 to The University of Texas at Austin for the period June 1, 1972, through May 31, 1973. The program will be coordinated by Dr. Thomas A. Griffy, Associate Dean of the Graduate School.
56. Grant AM 15818-01, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$31,667 for support of research entitled, "Genetic Enzyme Variants, Uric Acid and Lipids." The grant is effective for the period April 1, 1972 through March 31, 1976, and the \$31,667 now appropriated is for the period April 1, 1972, through March 31, 1973. The research will be under the direction of Dr. Walter K. Long, Lecturer in Zoology.
57. Revised Grant ES00537-02, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, restricts use of \$5,166 (summer salary) without prior approval of NIEHS. The research entitled, "Enzymatic Oxygen Fixation Into Aromatic Hydrocarbons," continues under the direction of Dr. David T. Gibson, Associate Professor of Microbiology.

58. Revised Grant GM15769-05, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, revises the award to show unobligated balance per final report of expenditures for the -04 year. The research entitled, "Cytogenetics, Population and Theoretical Genetics," continues under the direction of Dr. R. H. Richardson, Associate Professor of Zoology.
59. Grant 5 T01 HD00268-02, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$81,804 for support of a training program entitled, "Basic Mechanisms in Development and Reproduction." The grant is effective for the period July 1, 1972, through June 30, 1976, and the \$81,804 now appropriated is for the period July 1, 1972 through June 30, 1973. The program continues under the direction of Dr. Antone G. Jacobson, Professor of Zoology.
60. Grant 5 T21 MH12111-03, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$67,457 for support of a training program entitled, "Graduate Program in Mental Health Information." The grant is effective for the period July 1, 1972 through June 30, 1973, and the program continues under the direction of Dr. DeWitt C. Reddick, Jesse H. Jones Professor of Journalism and Education.
61. Grant 5 K04 GM 29413-02, Development Award— Research Career Program, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$24,417 for support of research entitled, "Regulation of Bacterial Cell Division." The grant is effective for the period June 1, 1972 through May 31, 1973, and the research will be under the direction of Dr. L. Joe Berry, Professor of Microbiology, and Dr. James R. Walker, Associate Professor of Microbiology.
62. Grant 1 K04 ES 70088-01, Development Award— Research Career Program, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$22,667 for support of research entitled, "Mechanisms of Enzymatic Oxygen Fixation." The grant is effective for the period April 1, 1972 through March 31, 1973, and the research will be under the direction of Dr. L. Joe Berry, Professor of Microbiology, and Dr. David T. Gibson, Associate Professor of Microbiology.
63. Amendment No. 1 to Grant GA-24522, by which the National Science Foundation, Washington, D. C., provides \$12,400 additional funds and extends the period of the grant through November 30, 1973. The research entitled, "Emplacement of Franciscan-Type Rocks and Origin of Related Mafic and Ultramafic Rocks," continues under the direction of Dr. John C. Maxwell, Professor of Geology.
64. Modification No. 3 to Grant GJ-509X, by which the National Science Foundation, Washington, D. C., provides \$159,835 additional funds and extends the period of the grant through December 31, 1973. The program entitled, "Empirical and Theoretical Foundations of Instructional Design for Computer-Based Instructional Systems, a Program of Research and Development," continues under the direction of Dr. Wilson A. Judd, Assistant Professor of Educational Psychology and Assistant Director of the Computer-Assisted Instruction Laboratory; Dr. Harold F. O'Neil, Assistant Professor of Educational Psychology; and Dr. R. F. Simmons, Professor of Computer Sciences and of Psychology.

65. Grant GJ-32719, by which the National Science Foundation, Washington, D. C., provides \$16,000 for support of a project entitled, "Research Initiation - Analysis of Computer File Search Techniques." The grant is effective for the period April 1, 1972 through March 31, 1974, and the research will be under the direction of Dr. Terry A. Welch, Assistant Professor of Electrical Engineering.
66. Amendment No. 1 to Grant GK-10099, by which the National Science Foundation, Washington, D. C., extends the period of the grant through December 31, 1972. The research entitled, "Physical Properties of Submicroscopic Aerosol Particles," continues under the direction of Dr. Eugene H. Wissler, Professor of Chemical Engineering.
67. Grant GK-32631, by which the National Science Foundation, Washington, D. C., provides \$16,000 for support of a project entitled, "Research Initiation - Mass Transfer in the Artificial Kidney System." The grant is effective for the period April 1, 1972 through March 31, 1974, and the research will be under the direction of Dr. Robert P. Popovich, Assistant Professor of Chemical Engineering.
68. Amendment No. 1 to Grant GP-23282, by which the National Science Foundation, Washington, D. C., provides \$40,000 additional funds and extends the period of the grant through September 30, 1973. The research entitled, "Nuclear Astrophysics - Experimental and Theoretical," continues under the direction of Dr. Cary N. Davids, Assistant Professor of Physics, and Dr. W. D. Arnett, Associate Professor of Astronomy.
69. Amendment No. 2 to Grant GP-27178, by which the National Science Foundation, Washington, D. C., adds \$27,100 to the grant funds. The research entitled, "Oblique Collisionless Shock Waves in Plasma," continues under the direction of Dr. William E. Drummond, Professor of Physics.
70. Amendment No. 3 to Grant GS-3221, by which the National Science Foundation, Washington, D. C., extends the period of the grant through August 31, 1972. The project entitled, "Doctoral Dissertation Research in Linguistics," continues under the direction of Dr. Edgar C. Polome, Professor of Germanic Languages and of Linguistics and of Oriental and African Languages and Literatures.
71. Grant GS-33490, by which the National Science Foundation, Washington, D. C., provides \$40,000 for support of research entitled, "Exchange Theory of Politics." The grant is effective for the period June 1, 1972 through November 30, 1974, and the research will be under the direction of Dr. Norman Frohlich, Assistant Professor of Government, Dr. Joe A. Oppenheimer, Assistant Professor of Government, and Dr. Oran R. Young, Professor of Government.
72. Grant GY-9807, by which the National Science Foundation, Washington, D. C., provides \$19,960 for support of a project entitled, "Undergraduate Research Participation." The grant is effective for the period March 31, 1972 through May 31, 1973, and the project will be under the direction of Dr. Charles G. Wade, Assistant Professor of Chemistry.

CONTRACTS, GRANTS and AGREEMENTS (Non-Governmental):

1. Grant Letter dated April 17, 1972, by which the Research Corporation, New York, New York, provides \$20,000 for support of a project entitled, "Development of Program to Observe Einstein Shift During June 1973 Solar Eclipse." The award is effective for the period beginning April 17, 1972, and the project will be under the direction of Dr. Harlan J. Smith, Professor of Astronomy, and Director, Research in Astronomy (McDonald Observatory).
2. Grant Letter dated March 24, 1972, by which the Research Corporation, New York, New York, provides \$7,828 as Brown-Hazen Grant-in-Aid BH-752 for support of research entitled, "Ultrastructural Studies of Conidiogenesis in Hyphomycetes; Structural Characterization of Icosahedral Cytophasmic Deoxyriboviruses." The grant is effective for the period beginning March 24, 1972, and the research will be under the direction of Dr. Garry T. Cole, Assistant Professor of Botany, and Dr. Max D. Summers, Assistant Professor of Botany.
3. Grant-in-Aid BR-1457, by which the Alfred P. Sloan Foundation, New York, New York, provides \$18,400 for an Alfred P. Sloan Research Fellowship in Nuclear Astrophysics, effective for the period September 16, 1972 through September 15, 1974, for use by Dr. Cary N. Davids, Assistant Professor of Physics.
4. Purchase Order G-3320, by which the Texas Utilities Services Inc., Dallas, Texas, provides \$14,859.48 for support of research entitled, "An Archeological Survey of the Martin Lake Reservoir, Rusk and Panola Counties, Texas. The purchase order is effective for the period April 25, 1972 through July 1, 1973, and the research will be under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
5. Subcontract No. 3696, by which the Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, provides \$15,000 for support of research entitled, "Analysis of Solutioning of Salt Around Well Boreholes." The subcontract is effective for the period March 1, 1972 through June 30, 1972, and the research will be under the direction of Dr. Frank W. Jessen, Professor of Petroleum Engineering.

CONTRACTS, GRANTS and AGREEMENTS (Other):

1. Amendment No. 1 to Contract APL/JHU No. 372041, by which Applied Physics Laboratory, The Johns Hopkins University, Silver Spring, Maryland, provides \$69,666 additional funds to operate two additional satellite tracking stations in the Antarctic, adds a transportation provision and extends the period for performance under the contract through May 31, 1973. The research continues under the direction of Dr. Chester M. McKinney, Jr., Director, Applied Research Laboratories.
2. Modification No. 19 to Contract No. 952490, by which the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, funds the remaining \$17,400 for the period through June 30, 1972. The Mariner Mars '71 Mission TV Experiment continues under the direction of Dr. G. DeVaucouleurs, Professor of Astronomy.

CONTRACTS, GRANTS, and AGREEMENTS (Other) - Continued:

3. Grant Agreement between Georgia State University, Atlanta, Georgia, and The University of Texas at Austin, by which Georgia State provides \$3,000 for support of participation in The Welfare Reform Impact Study Consortium in relation to GSU Grant No. 92-13-72-10, entitled, "Development of a Research Design to Assess the Economic and Social Impact of Welfare Before and Subsequent to Legislative Reform in the Southern Region." The agreement is effective for the period through June 24, 1972, and it will be under the direction of Dr. Vernon M. Briggs, Jr., Associate Professor of Economics.
4. Grant No. 72-930-012, by which the Coordinating Board, Texas College and University System, Austin, Texas, provides \$15,000 for support of a Texas Community Service and Continuing Education Project entitled, "Texas Public Transportation Research Project." The grant is effective for the period April 19, 1972 through June 30, 1973, and the project will be under the direction of Dr. Leon M. Cole, Professor of Architecture and Planning.
5. Adjustment No. 1 to Grant 1-C4-680, by which the Texas Criminal Justice Council for the Office of the Governor, Austin, Texas, revises budget for the period September 1, 1971, through February 29, 1972; however, the amount of grant remains at \$21,446. The Delinquency Rehabilitation and Prevention Project was under the direction of Dr. Jack Otis, Dean, Graduate School of Social Work.

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ACADEMIC AND BUSINESS CONTRACTS. The following contracts have been executed at The University of Texas at Austin by the official indicated. I recommend approval and ratification of signatures.

1. Interagency Cooperation Contract No. IAC(72-73)-431, between The University of Texas at Austin (Division of Extension) and the Texas Vending Commission, signed by Vice-President James H. Colvin, whereby the University agrees to conduct training in "Fundamentals of Accounting" for certain approved and selected employees of the Texas Vending Commission. The period covered is from March 24, 1972 to August 31, 1972. The total amount not to exceed \$1,800.
2. Interagency Cooperation Contract No. IAC(72-73)-447, between The University of Texas at Austin (Computation Center) and the Texas Department of Public Welfare, signed by Vice-President James H. Colvin, whereby the University agrees to enter data, using machines of the Computation Center, on keypunch cards from information contained on the Nursing Home Questionnaires distributed, collected, and delivered by the Department of Public Welfare. The University also agrees to perform all processing functions. The period covered is from March 31, 1972 to August 31, 1972. The total amount not to exceed \$4,100.
3. Interagency Cooperation Contract No. IAC(72-73)-460, between The University of Texas at Austin (Continuing Engineering Studies) and the Texas Water Quality Board, signed by Vice-President James H. Colvin, whereby the University agrees to conduct a five-day short course on Advanced Water Pollution Control: Physical and Chemical Water Treatment. The period covered is from April 24, 1972 to April 28, 1972. Total amount not to exceed \$900.
4. Interagency Cooperation Contract No. IAC(72-73)-461, between The University of Texas at Austin (Continuing Engineering Studies) and the Texas Water Quality Board, signed by Vice-President James H. Colvin, whereby the University agrees to conduct a five-day short course on Advanced Water Pollution Control: Biological Waste Treatment. The period covered is from April 17, 1972 to April 21, 1972. Total amount not to exceed \$900.

TRAVEL FOR FACULTY AND STAFF. The following trips are reported in accordance with Section 12 of the Budget Rules and Procedures for 1971-72 when expenses are paid from funds not specifically designated for travel; and in accordance with Section 13.23 of Chapter III of Part Two of the Rules and Regulations of the Board of Regents for the Government of The University of Texas when the absence is for a longer period than twenty-nine days.

1. Forest Higgs, Research Assistant III in Architecture, April 30, 1972 to May 5, 1972, to Cambridge, Massachusetts, to present a paper selected from nationwide submissions to the Conference on Responsive House Building Technology at Massachusetts Institute of Technology. Expenses in the approximate amount of \$238 to be paid from Architecture Academic Development Fund.

2. Wolf H. Hilbertz, Visiting Associate Professor of Architecture, April 30, 1972 to May 5, 1972, to Cambridge, Massachusetts, to present a paper selected from nationwide submissions to the Conference on Responsive House Building Technology at Massachusetts Institute of Technology. Expenses in the approximate amount of \$238 to be paid from Architecture Academic Development Fund.
3. Robert E. Lucas, Teaching Assistant in Architecture, April 30, 1972 to May 5, 1972, to Cambridge, Massachusetts, to present a paper selected from nationwide submissions to the Conference on Responsive House Building Technology at Massachusetts Institute of Technology. Expenses in the approximate amount of \$238 to be paid from Architecture Academic Development Fund.
4. Joseph Mathis, Teaching Assistant in Architecture, April 30, 1972 to May 5, 1972, to Cambridge, Massachusetts, to present a paper selected from nationwide submissions to the Conference on Responsive House Building Technology at Massachusetts Institute of Technology. Expenses in the approximate amount of \$238 to be paid from Architecture Academic Development Fund.
5. Kelly R. McAdams, Assistant Professor of Architecture, April 12, 1972 to April 14, 1972, to Madison, Wisconsin, to attend a conference for Architects, Engineers, Contractors and Educators at the University of Wisconsin. Expenses in the approximate amount of \$283 to be paid from Architecture Academic Development Fund.
6. Bernth O. Lindfors, Assistant Professor of English, April 5, 1972 to April 8, 1972, to Toledo, Ohio, to present a paper at the Popular Culture Association annual meeting. Expenses in the approximate amount of \$204 to be paid from English Program Development Fund.
7. Ernest F. Haden, Professor of French & Italian, April 7, 1972 to April 8, 1972, to Atlanta, Georgia, to attend the Southern Humanities Conference as delegate-at-large. Expenses in the approximate amount of \$143 to be paid from French & Italian Academic Development Fund.
8. Janet King, Associate Professor of Germanic Languages, May 22, 1972 to August 18, 1972 to Frankfurt, Germany, to do research on Post War Literary Journals for purpose of publication. Expenses in the approximate amount of \$397.22 to be paid from Project R-236 JANET K. KING funds.
9. Robert T. Rovinsky, Instructor in Germanic Languages, May 4, 1972 to May 6, 1972, to New York City, New York, to present a paper before the annual meeting of the Society for the Advancement of Scandinavian Studies held at Columbia University. Expenses in the approximate amount of \$216 to be paid from Germanic Languages Academic Development Fund.
10. Joseph Bien, Assistant Professor of Philosophy, March 23, 1972 to March 25, 1972, to San Francisco, California, to present a paper to the meeting of the American Philosophical Association (Pacific Division). Expenses in the approximate amount of \$214 to be

paid from Philosophy Academic Development Fund.

11. Douglas Browning, Professor of Philosophy, March 30, 1972 to April 1, 1972, to St. Louis, Missouri, to attend the meeting of the Southern Society for Philosophy and Psychology with which he is President-elect; to recruit and to assist in placement. Expenses in the approximate amount of \$120 to be paid from Philosophy Academic Development Fund.
12. Robert L. Causey, Assistant Professor of Philosophy, March 23, 1972 to March 25, 1972, to San Francisco, California, to present a paper at the meeting of the American Philosophical Association (Pacific Division). Expenses in the approximate amount of \$214 to be paid from Philosophy Academic Development Fund.
13. Irwin C. Lieb, Professor of Philosophy, March 17, 1972 to March 19, 1972, to Washington, D.C., to attend the meeting of the Metaphysical Society of America as Counsellor; to recruit for the Department of Philosophy and to assist in placement of graduate students. Expenses in the approximate amount of \$190 to be paid from Philosophy Academic Development Fund.
14. Robert Solomon, Visiting Associate Professor of Philosophy, May 4, 1972 to May 6, 1972, to St. Louis, Missouri, to present a paper at the meeting of the American Philosophical Association (Western Division). Expenses in the approximate amount of \$120 to be paid from Philosophy Academic Development Fund.
15. David S. Evans, Professor of Astronomy, May 20, 1972 to August 20, 1972, to Cape Town, South Africa, to lecture at the University of Cape Town; and to receive an award from the Astronomical Society of Southern Africa. At no expense to the University.
16. Marshall C. Johnston, Associate Professor of Botany, Thomas Wendt and Fernanda Chiang-Cabrera, Assistants, May 27, 1972 to August 31, 1973, to various places in North and Central Mexico, to do research under a grant. Expenses in the approximate amount of \$9,500 to be paid from NSF Grant GB-30867 Johnston funds.
17. Petr Munk, Assistant Professor of Chemistry, May 22, 1972 to August 21, 1972, to Helsinki, Finland, to participate at IUPAC International Symposium on Macromolecules; to present a communication; and to visit several laboratories in the macromolecular field throughout Europe. Expenses in the approximate amount of \$500 to be paid from NSF-Graduate Fellowship Program, Other Expenses fund.
18. John A. Campbell, Assistant Professor of Computer Sciences, and Physics, May 18, 1972 to June 21, 1972, to Sweden; to visit Uppsaa University, Stockholm University and Roym Institute of Technology for exchange of information on research projects on subjects studied both in Texas and Sweden. At no expense to the University.
19. James W. Daniel, Associate Professor of Mathematics, March 20, 1972 to March 21, 1972, to Fort Worth, Texas,

to give a lecture at Texas Wesleyan College for the Mathematics Speakers Panel. Expenses in the approximate amount of \$71 to be paid from Mathematics Academic Development Fund.

20. James W. Daniel, Associate Professor of Mathematics, April 25, 1972 to April 27, 1972, to Laredo, Texas, to give a talk for the Mathematics Speakers Panel at Laredo Junior College. Expenses in the approximate amount of \$95 to be paid from Mathematics Academic Development Fund.
21. Leonard Gillman, Chairman and Professor of Mathematics, January 26, 1972 to January 31, 1972, to New York City, New York, to do recruiting for the department at Columbia and CUNY. Expenses in the approximate amount of \$328 to be paid from Mathematics Academic Development Fund.
22. Leonard Gillman, Chairman and Professor of Mathematics, April 10, 1972 to San Marcos, Texas, to give colloquium at Southwest Texas as part of Mathematics Speakers Panel. Expenses in the approximate amount of \$24 to be paid from Mathematics Academic Development Fund.
23. Leonard Gillman, Chairman and Professor of Mathematics, April 15, 1972 to April 18, 1972, to Commerce, Texas, to give an address to East Texas State as part of Mathematics Speakers Panel; to Chicago, Illinois, to attend the 50th Annual Meeting of the National Council of Teachers of Mathematics. Expenses in the approximate amount of \$235 to be paid from Mathematics Academic Development Fund.
24. Leonard Gillman, Chairman and Professor of Mathematics, April 21, 1972 to April 22, 1972, to Commerce, Texas, to give an address at East Texas State College as part of Mathematics Speakers Panel. Expenses in the approximate amount of \$67 to be paid from Mathematics Academic Development Fund.
25. Robert E. Greenwood, Professor of Mathematics, April 18, 1972 to April 19, 1972, to Corpus Christi, Texas, to speak at Del Mar Junior College for Mathematics Speakers Panel; and to speak at a meeting of Coastal Bend Council of Teachers of Mathematics. Expenses in the approximate amount of \$60 to be paid from the Mathematics Academic Development Fund.
26. Robert E. Greenwood, Professor of Mathematics, April 26, 1972 to April 29, 1972, to Beaumont, Texas, to give an address at Lamar Technical University as part of Mathematics Speakers Panel; and to consult about mathematics program. Expenses in the approximate amount of \$116 to be paid from Mathematics Academic Development Fund.
27. H. Elton Lacey, Associate Professor of Mathematics, April 18, 1972 to Huntsville, Texas, to give colloquium at Sam Houston State as part of Mathematics Speakers Panel. Expenses in the approximate amount of \$53 to be paid from Mathematics Academic Development Fund.
28. Arno Bohm, Associate Professor of Physics, May 1, 1972, to May 31, 1972, to Munich, Germany for discussions

at Max-Planck Institute; to Pisa, Italy to the Institute for Theoretical Physics for discussions; and to Warsaw, Poland for scientific collaboration. At no expense to the University.

29. Taro Tamura, Professor of Physics, May 10, 1972 to July 8, 1972, to Jülich, Germany, to give a series of invited lectures at Kernforschungsanlage (Nuclear Research Institute). At no expense to the University.

30. Austen Fox Riggs II, Professor of Zoology, April 9, 1972, to May 25, 1972, to Atlantic City, New Jersey, to attend the Federation of American Society of Experimental Biology; to Ann Arbor, Michigan, to attend the Second International Conference on Red Cell Function; and to Charlottesville, Virginia, to do research and consultation on Hemoglobin. Expenses in the approximate amount of \$397 to be paid from Grant GB-27937-X travel funds.

31. Lon Wilkins, Post Doctorage in Zoology, April 20, 1972 to July 31, 1972, to Friday Harbor, San Juan Island, Washington, to conduct research at the University of Washington's Friday Harbor Laboratories. Expenses in the approximate amount of \$303 to be paid from Grant NS 43039-02 funds.

32. Rolf A. Stachowitz, Special Research Associate in Linguistics, February 15, 1972 to March 15, 1972, to Bonn, Germany to attend a conference on problems of communication semantics; to work out details for exchange of lexical data; to the Universities of Berlin, Stuttgart, Constance, Cologne, and the Machine Translation Center in Munich, Germany. Expenses in the approximate amount of \$1,250 to be paid from Contract F-30602-70-C-0018-Other Expenses -Travel funds.

33. Norman M. Prentice, Professor of Psychology and Education and Co-Director, Clinical Training Program, April 23, 1972 to May 2, 1972, to Portland, Oregon, to present a paper to the annual meeting of the Western Psychological Association; and to evaluate several psychiatric centers on the West Coast used for clinical internship by graduate students in our Clinical Psychology Training program. Expenses in the approximate amount of \$345 to be paid from Academic Development Fund.

34. William H. Goetzmann, Director of American Studies Program, April 4, 1972 to April 8, 1972, to Washington, D.C., to attend the Organization of American Historians annual meeting; and to attend the Editorial Board meeting of the American Quarterly. Expenses in the approximate amount of \$365 to be paid from American Studies Program fund.

35. William Braisted, Associate Professor of the Center for Asian Studies and History, March 25, 1972 to March 30, 1972, to New York City, New York, to attend the Association for Asian Studies for recruitment purposes. Expenses in the approximate amount of \$75 to be partially paid from Development Fund.

36. Robert L. Hardgrave, Jr., Associate Professor, Center for Asian Studies and Government, March 24, 1972 to March 29, 1972, to New York City, New York, to attend the meet-

ing of the Association for Asian Studies, as chairman he will preside over a meeting of the Society for South Indian Studies to be held in conjunction with the Association meeting. Expenses in the approximate amount of \$75 to be paid partially from Center for Asian Studies Academic Development Fund.

37. Edgar C. Polome, Professor, Center for Asian Studies and Germanic Languages, April 18, 1972 to April 20, 1972, to Chapel Hill, North Carolina, to attend the meeting of the Asian Oriental Society and to participate in the session on the South Asian Language; to confer with colleagues on the organization of the Sanskrit conference; and to interview candidates for possible positions in the Asian Studies and Oriental Languages program. Expenses in the approximate amount of \$208 to be paid from three accounts - Polome Contract 26-1840-2975 travel funds; Center for Asian Studies travel funds; and Center for Asian Studies Academic Development Fund.

38. James A. Bill, Associate Professor of Center for Middle Eastern Studies and Government, April 23, 1972 to April 27, 1972, to Houston, Texas, to represent the University at the Humble-Faculty Forum; and to raise funds for the Center for Middle Eastern Studies. Attendance at the Forum at no expense to the University; other expenses in the approximate amount of \$32 to be paid from Middle Eastern Studies Program Development Fund.

39. Hafez F. Farmayan, Associate Professor of the Center for Middle Eastern Studies and History, March 9, 1972 to March 13, 1972, to Salt Lake City, Utah, to represent the University on an inter-university committee which will select fellowship students for the summer program in which the University participates. Expenses in the approximate amount of \$247.78 to be paid from Center for Middle Eastern Studies Program Development Fund.

40. Hafez F. Farmayan, Associate Professor of the Center for Middle Eastern Studies and History, May 13, 1972 to August 29, 1972, to Tehran, Iran, to do research on the intellectual and social developments of modern Iran. Expenses in the approximate amount of \$1,288 to be paid from NDEA Title IV Program O.E.1 (Farmayan) funds.

41. James S. Hazlett, Assistant Professor of Cultural Foundations of Education, May 20, 1972 to August 18, 1972, to Paris, France, to conduct library and archival research in connection with a project funded by a USOE grant. Expenses in the approximate amount of \$900 to be paid from USOE grant OEC-6-70-0526(508).

42. David P. Butts, Professor of Curriculum and Education, August 1, 1972 to September 9, 1972, to Exeter, England, to make a presentation to the Second International Mathematics Conference of Research and Development Center for Teacher Education's program for personalizing instructional links between mathematics and other subject areas. At no expense to the University.

43. Addison E. Lee, Professor of Science Education and Biology, May 1, 1972 to May 20, 1972, to Quezon City, Philippines, to assist in the development of their staff development program whereby they will send one or more staff members to UT Austin to do graduate work. Expenses to be paid by the Ford Foundation.

44. Joseph Michel, Professor of Foreign Language Education, March 17, 1972 to San Antonio, Texas, as a member of a committee which will revise, amend and adopt a paper previously submitted for the Texas Foreign Language Association on Certification of Foreign Language Teachers in Texas. This paper will be presented to the Committee to Study Standards for Teacher Education and to the Commission to Study Standards for the Preparation of School Administrators. Expenses in the approximate amount of \$23.60 to be paid from Foreign Language Education Development Fund.
45. Thomas D. Horn, Professor of Curriculum and Instruction, March 29, 1972 to April 6, 1972, to Chicago, Illinois, to attend AERA meetings; and for departmental recruiting. Expenses in the approximate amount of \$296.83 to be paid from Office of the Dean of Education College-Wide Development Fund.
46. Lorrin Kennamer, Dean of the College of Education, April 13, 1972 to April 14, 1972, to Syracuse, New York, to attend the Teacher Center Conference sponsored by Syracuse University Research Corporation Policy Institute in conjunction with the School of Education. Expenses in the approximate amount of \$290 to be paid from Office of Dean of Education College-Wide Development Fund.
47. E. Gus Fruh, Associate Professor of Civil Engineering, and William E. Morgan, Research Associate in Civil Engineering, March 1, 1972 to March 31, 1972, to various towns in Texas to conduct meetings in regard to Texas Electric Service Grant. Expenses to be paid from Bureau of Engineering Research - Texas Electric Service Grant 30-7459-0880.
48. James B. Freim, Graduate Student and Research Engineer Scientist Assistant II, in Mechanical Engineering, March 20, 1972 to June 20, 1972, to Richland, Washington to do dissertation research at Pacific Northwest Laboratory of Battelle Memorial Institute. Expenses in the approximate amount of \$350 to be paid from BER Travel (Koen) funds and Nuclear Reactor Lab Revolving Fund.
49. Hilmar A. von Schonfeldt, Assistant Professor of Petroleum Engineering, May 24, 1972 to July 14, 1972, to Imperial College, London, England; University of Nottingham, England; Bochum University, Bochum, Germany; University Karlsruhe, Germany; University-Claustha, Germany; to give seminars on rock mechanics research at The University of Texas; to gather latest information pertinent to research in progress and to curriculum updating and development; and to conduct field studies in hydraulic fracturing in cooperation with Bochum University's Department of Geophysics. At no expense to the University.
50. Donald B. Goodall, Chairman Art Department, May 7, 1972 to July 7, 1972, to New York, Belgrade, Bucharest, Frankfurt, Berlin and Paris, to discuss UT Austin Art program with directors of University and Museum; to interview prospective speakers and specialists; to supervise installation of Michener Collection in cities in Europe. Expenses in the approximate amount of \$216 to be paid from Art Department Travel Fund.
51. Ronald Bounous, Professor of Social Work, May 18, 1972 to May 20, 1972, to Boston, Massachusetts, to attend a

Council on Social Work Education's Graduate Faculty curriculum seminar. Expenses in the approximate amount of \$343 to be paid from Academic Development Fund.

52. Chester L. Chiles, Associate Professor of Social Work, May 10, 1972 to May 15, 1972, to Portland, Oregon, to participate in a CSWE sponsored workshop on Behavioral Science Bases of Social Work Education. Expenses in the approximate amount of \$275 to be paid from Academic Development Fund.

53. George K. Herbert, Associate Professor of Social Work, May 4, 1972 to May 6, 1972, to New York, New York, to participate in a seminar concerning curriculum issues. Expenses in the approximate amount of \$321 to be paid from Academic Development Fund.

54. Dolph Hess, Associate Professor of Social Work, April 27, 1972, to April 29, 1972, to Chicago, Illinois, to attend a seminar sponsored by CSWE to identify and explore systematically issues to be considered in developing alternative models for attaining the research curriculum objective of graduate schools of social work so that our curriculum structure may be modified in a manner most beneficial to students. Expenses in the approximate amount of \$280 to be paid from Academic Development Fund.

55. Alexander von Klaudy, Postdoctoral Research Associate in the Institute of Biomedical Research, April 17, 1972 to May 31, 1972, to Taylor, Texas; this will cover two to four trips to the Taylor Meat Company to obtain fresh beef hearts for research. Taylor Meat Company is the nearest slaughter house where beef hearts can be obtained immediately after the cattle are slaughtered. Expenses in the approximate amount of \$6.80 per trip to be paid from Merck and Co., Inc. Grant 30-7444-0205.

56. Kermit E. Voelkel, Social Science Research Associate IV, Natural Fibers Economic Research, to Abilene, Texas, to confer with the office-in-charge of USDA cotton classing office in reference to our work with cotton gins, oil mills and market news releases; to Lubbock, Texas, to attend a "cotton contracting seminar". Expenses in the approximate amount of \$114.50 to be paid from Maintenance and Operation fund.

USE OF TEXTBOOKS WRITTEN BY FACULTY. In accordance with Chapter III, Section 24 of Part One of the Regents' Rules and Regulations for the Government of The University of Texas, I recommend approval of the use of the following faculty authored books as textbooks for the 1972-73 fiscal year:

<u>Title</u>	<u>Author(s)</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
FORTTRAN programming language manual for beginning students using the CDC6600 at UT Austin	J. T. Baldwin & L. J. Baldwin	\$ 4.00	\$.90

<u>Title</u>	<u>Author(s)</u>	<u>Cost to student</u>	<u>Royalty per volume per author</u>
Edward Randolph and the American Colonies 1670-1703	M. G. Hall	\$ 2.24	\$ None
* A Survey of Numerical Mathematics, Vol. I	D. M. Young & R. T. Gregory	15.00	1.25
* Microbes and Man	O. Wyss	5.95	.50
* Descriptive Linguistics: An Introduction	W. P. Lehmann	7.95	10%
* The Seeds of Politics: Youth and Politics in America	A. M. Orum	1.95	10%
Vilfredo Pareto	J. Lopreato	2.95	None
The Visual Arts as Human Experience	D. L. Weismann	10.95	None
* Toward New Perspectives in Folklore	R. Bauman (ed.) with A. Paredes	8.50	None
The Comprehensive Junior College Curriculum	J. W. Reynolds	8.50	1.09

* Never before used at The University of Texas at Austin

PROFESSORSHIP IN HONOR OF DR. WILLIAM DOTY. Mr. and Mrs. Wolf E. Jessen, of Austin, Texas, have sent \$1,000 to be put into the fund to establish a professorship in honor of Dr. William Doty, retiring Dean of the College of Fine Arts. The Fine Arts Advisory Council is proceeding with the plan to set up the professorship. Mrs. Jessen is connected with a ballet school and Mr. Jessen with the symphony orchestra.

IDENTIFICATION CARD PROCEDURES. Approval is requested for the following recommendations made by the Office of the Business Manager and the Vice President for Business Affairs concerning Identification Card Procedures:

1. That the requirement for securing identification cards for Faculty and Staff be optional.
2. That an identification card with the Faculty or Staff member's photograph be required for admittance to athletic and cultural entertainment events.
3. That no identification card be required for faculty, staff and student spouses who buy spouse activity tickets.
4. That the Rules of Use which follow be approved and published in the "General Information Catalog".

Student activities fee (optional). - For students registering in the fall semester, the fee is \$18.00 for the session; for students registering in the spring semester, not having been in attendance in the fall semester, the fee is \$6.00 for the semester. There is no student activities fee (optional) in the summer. A married student who pays the voluntary student activities fee (optional) may also pay a spouse activities fee of \$25.00 for the session or \$8.33 for the spring semester.

Rules for use of student, faculty and spouse activity fees. - The identification card (ID), when color coded to show payment of the optional student activity fee and faculty or spouse activity fee (blanket tax) will be used for purposes of drawing tickets to football games and cultural entertainment events and to gain admission to other University athletic events.

Student, Faculty and Staff Activity Fees

1. Purchase of an activity fee infers agreement to abide by the Rules of Use shown below.
2. The activity fee is valid only for the original purchaser and is non-transferable. Penalties for presentation of an ID by other than the owner, or other misuse, are set forth in 10 below. Other proof of identification may be required when the ID is presented.
3. The identification card is void if mutilated or altered. Lost identification cards are replaceable upon payment of appropriate fees. Mutilated cards may be replaced upon return of remnants of the original card and payment of the appropriate fees.
4. Payment of the activity fee entitles the owner to general admission, so far as available, to athletic and cultural events, except the Texas Relays, held in Austin under the auspices of the Athletics Council or Cultural Entertainment Committee. An additional admission fee may be charged for some events, and a special rate is sometimes available for other events, such as University Interscholastic League playoffs.
5. Special admission rates also may be made available to activity fee purchasers for reserved seats and out-of-town athletic contests, but no guarantee is made as to the availability of such admissions.
6. Admission will be granted only upon presentation of the appropriately coded identification card and event ticket, and, where appropriate, the appropriately coded identification card only.
7. The activity fee is valid throughout the long term for which it is purchased. A refund is available only upon termination of enrollment or employment with the University. A schedule of refund rates is printed herein. The identification card reflecting payment of the student activity fee must be surrendered in order to obtain a refund.
8. Presentation of an identification card by other than the owner, or other misuse, may result in confiscation and forfeiture of the student activity fee privileges.

9. Fraudulent use of the identification card may result in disciplinary action or prosecution of the guilty parties.
10. The replacement fee for an identification card reflecting payment of the student activity fee that has been confiscated because of misuse:
 - a. Shall be the original student activity fee, unless the owner surrenders his right to student activity fee privileges.
 - b. Shall be \$5.00 if the owner surrenders his right to student activity fee privileges.
11. The replacement fee for an identification card not reflecting payment of the student activity fee that has been:
 - a. Confiscated because of misuse shall be \$5.00.
 - b. Misused by its owner or another person in an attempt to gain admission to an event requiring payment of the student activity fee shall be \$5.00.

Student and Faculty and Staff Spouse Activity Fees

1. A spouse activity fee is valid only for the original purchaser and is non-transferable. Presentation of an activity fee card by other than the owner, or other misuse, will result in confiscation and forfeiture. Ticket checkers may require proof of identification when the card is presented. Lost spouse activity fee cards are not replaceable, but mutilated cards may be replaced upon return of remnants of the original card. A second activity fee may be purchased to replace a lost one upon signing an affidavit of loss.
2. Payment of the spouse activity fee entitles the owner to general admission, so far as available, to athletic and cultural events, except the Texas Relays, held in Austin under the auspices of the Athletics Council or Cultural Entertainment Committee. An additional admission fee may be charged for some events, and a special rate is sometimes available for other events, such as University Interscholastic League playoffs.
3. Special admission rates also may be made available to activity fee purchasers for reserved seats and out-of-town athletic contests, but no guarantee is made as to the availability of such admissions.
4. Admission will be granted only upon presentation of the activity fee card, and where appropriate, an event ticket.
5. The activity fee is valid throughout the long term for which it is purchased. A refund is available only upon termination of enrollment or employment with the University by the owner's spouse. The spouse activity fee card must be surrendered in order to obtain a refund.
6. Purchasers of a spouse activity fee may participate in student drawings for event tickets. For out-of-town football games faculty/staff spouse activity fee tickets normally cost one-half the regular

price. Student spouse tickets for these events cost the full regular price. If an improper ticket is presented with an activity fee card, admission will be refused.

Refund. - If a student withdraws officially from the University and presents to the Registrar his receipt from the Bursar and his athletic ticket, the student activities fee (optional) will be refunded in accordance with the following schedule: If official withdrawal, with presentation of his athletic ticket to the Registrar, is prior to October 1, \$12.60; if between October 1 and October 31, \$9.00; if between November 1 and November 30, \$7.20; if between December 1 and January 31, \$6.00; if between February 1 and March 15, \$4.50; if between March 16 and April 15, \$2.16; thereafter, nothing. The refund schedule for the spouse activity fee is as follows: If prior to October 1, \$17.50; if between October 1 and October 31, \$12.50; if between November 1 and November 30, \$10.00; if between December 1 and January 31, \$8.33; if between February 1 and March 15, \$6.25; if between March 16 and April 15, \$3.00; thereafter, nothing.

LOUIS J. AND RAE K. SNYDER LOAN FUND. Messrs. Bernard and Chester R. Snyder have transmitted to the University \$2,000 being a \$1,000 bequest from the estate of their father, Louis J. Snyder, and \$1,000 as a bequest from the estate of their mother, Rae K. Snyder, to establish a loan fund "to be used as a loan fund to aid worthy students preferably of the Jewish Faith, said fund to be administered in the sole discretion of the Board of Regents of the University.....".

GRADUATE FACULTY MEMBERSHIP. I recommend approval of the appointment of the following to membership in the Graduate Faculty, all of whom have been nominated by their graduate studies committees, and the names submitted by Dean W. G. Whaley, Dean of the Graduate School.

COLLEGE OF BUSINESS ADMINISTRATION

Department of Accounting

Associate Professor Charles H. Smith

Department of Finance

Associate Professor Lee A. Tavis

Department of Marketing Administration

Associate Professor Mark I. Alpert (to be effective Sept. 1, 1972)

Associate Professor Isadore B. Helburn (to be effective Sept. 1, 1972)

Associate Professor Henry O. Prudent (to be effective Sept. 1, 1972)

Associate Professor Robert E. Witt

SCHOOL OF COMMUNICATION

Department of Radio-Television-Film

Professor Jack C. Ellis (to be effective Sept. 1, 1972)

COLLEGE OF ENGINEERING

Department of Chemical Engineering

Associate Professor Donald R. Paul

Department of Electrical Engineering

Associate Professor William D. Gregg

COLLEGE OF HUMANITIES

Department of Classics

Professor Peter M. Green (to be effective Sept. 1, 1972)

Department of English

Associate Professor Norman K. Farmer
Associate Professor Alan W. Friedman

Department of Germanic Languages

Associate Professor Janet K. King
Associate Professor Don C. Travis, Jr.

COLLEGE OF NATURAL SCIENCES

Department of Computer Sciences

Associate Professor Terrence W. Pratt (to be effective Sept. 1, 1972)

Department of Physics

Associate Professor Peter R. Antoniewicz
Associate Professor Austin M. Gleeson

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of Sociology

Associate Professor Frank D. Bean
Associate Professor Joseph R. Feagin

GRADUATE SCHOOL OF SOCIAL WORK

Professor Ronald C. Bounous

FACULTY LEGISLATION. The following legislation has been passed by the University Council and/or General Faculty. I recommend approval.

1. Correction in the proposed changes in the College of Engineering Catalogue as presented to the Board of Regents in the UT Austin docket for the meeting of April 29, 1972. (page M-26). This change was approved by the University Council on April 17, 1972.

Under the requirements for Plan III, Chemical Engineering, it was requested incorrectly that the 3-hour elective in English literature be deleted as a degree requirement. This error can be corrected by substituting

For the Courses in the
1970-72 Catalogue:

English
305 Rhetoric and Composition
317 Technical Writing

Substitute in the
1972-74 Catalogue:

Communication Skills
9 semester hours with a
minimum requirement of:
English
301 English Composition
305 Rhetoric and Composition
317 Technical Writing, or

Spe. 319 Business and Professional Speaking

FOR

English
305 Rhetoric and Composition
317 Technical Writing
3-hour elective (literature)

Communication Skills
9 semester hours with a minimum requirement of:
English
301 English Composition
305 Rhetoric and Composition
317 Technical Writing, or
Spe. 319 Business and Professional Speaking.

The need for and intent of the correction is to make clear that a three-hour elective course in English literature will continue to be a requirement under Plan III, leading to the degree of Bachelor of Science in Chemical Engineering.

2. Proposed revision in quality of work rules for the College of Engineering. The University Council on April 17, 1972 adopted the proposed revision for inclusion in the College of Engineering Catalogue for 1972-74.

"A student who falls six or more grade points below a C average in his major area of study shall be placed on Academic Probation in Engineering. If that student remains six or more grade points below a C average in his major area for two consecutive registration periods (semesters or summer sessions), he shall be subject to Academic Dismissal from the College of Engineering."

The rule stated above will be applied in addition to the University's rules pertaining to quality of work. We feel that both rules are necessary because we have two grade point requirements for graduation; students must have both an overall average of C or better, and an average of C or better in the major area.

3. Proposed change in wording for requirements for the degree of Bachelor of Science in Speech. On April 6, 1972 the University Council adopted by the circularization procedure the proposed change (D&P 5054) as follows:

Present Requirement

Proposed Substitution in 1971-73 Catalogue

Page 25, Major
1971-73
School of Communication Catalogue

Thirty semester hours of speech, including Speech 305K. Speech

Thirty semester hours of speech, including Communication 301.

306K is also required for students in speech pathology and audiology. Fifteen semester hours must be in upper-division courses.

Speech 306K is also required for students in speech pathology and audiology. Fifteen semester hours must be in upper-division courses.

This change will provide a common introductory course, Communication 301, Introduction to Communication, for all School of Communication students.

4. Change in the physical instruction requirements for graduation. On April 19, 1971, the University Council approved a change in the physical instruction requirements for graduation, reducing what was essentially a two-year, four-semester requirement to a two-semester requirement for entering freshmen and a one-semester requirement for sophomore transfers. In addition, one semester hour of academic credit would be given for each semester of participation in physical instruction courses, with the understanding that these hours would be in addition to hours generally required for a particular degree.

In order to achieve this change, which was reviewed by the Educational Policy Committee as well as the administration following the University Council action, the following section should be inserted in each undergraduate catalogue:

REQUIRED PHYSICAL INSTRUCTION

Lower-division requirement. -- Physical instruction is a degree requirement for students entering The University of Texas at Austin with less than sixty semester hours of credit. The requirement is to be met in the following way: Students who enter the University with less than thirty semester hours of college credit are required to complete two semester hours of physical instruction while in the lower division. A minimum of one semester should be taken in the freshman year. Students having thirty to fifty-nine semester hours of college credit upon acceptance in the University are required to complete one semester hour of physical instruction as lower-division students. Courses may be taken in the long sessions or in summer sessions.

Upper-division students. -- Upper-division students and students who have completed the physical instruction requirement may elect courses offered by the Department of Physical Instruction.

Semester hour credit. -- The physical instruction activity courses offered by the Department of Physical Instruction meet the equivalent of three clock hours per week for one semester hour of credit.

Pass-Fail option. -- Students may elect the Pass-Fail basis for credit in courses in physical instruction. Students who chose not to exercise this option will receive credit on a letter-grade basis.

Advanced placement/standing examinations. -- Qualified students may satisfy part or all of the physical instruction requirement through satisfactory completion (A, B, or C in written and skill tests) of these examinations. Further information is available at the Measurement and Evaluation Center and the office of the Department of Physical Instruction.

Exceptions. -- A student may be excused from the requirement for participation in ROTC or, on an individual basis, for medical reasons. Any other request for an exemption shall be based solely on its own merits as approved by the departmental chairman and the student's dean.

Hours earned in satisfaction of the lower-division requirement will not count towards satisfying the hours required for any undergraduate degree; hours earned by an upper-division student electing physical instruction might, at the discretion of the student's dean, be counted in the hours required for his degree.

5. Recommended new honor code for the School of Law. On January 14, 1972, the University Council approved by the circularization procedure a proposed new honor code in the School of Law (D&P 4986-93). This item was included in the docket for the March 16, 1972, meeting of the Board of Regents but was passed over on the basis of several modifications recommended by the Chancellor. These modifications are incorporated into the honor code as presented here:

THE HONOR CODE OF THE SCHOOL OF LAW OF
THE UNIVERSITY OF TEXAS AT AUSTIN

CHAPTER 1. PURPOSE, SCOPE AND DEFINITIONS

SUBCHAPTER 1-100. PURPOSE

Sec. 1-101. Students at the School of Law of the University of Texas at Austin live under an honor system. This system makes students primarily responsible for the administration of student discipline. The purpose of the Honor Code is to define academic and other misconduct, describe penalties, create tribunals, define their procedures and provide for limited faculty review of Honor Tribunal proceedings.

SUBCHAPTER 1-200. SCOPE

Sec. 1-201. The Honor Code provides the exclusive means of discipline for misconduct it proscribes, but it does not preclude other sanctions for conduct not in violation of its provisions.

SUBCHAPTER 1-300. DEFINITIONS

Sec. 1-301. In this Code, unless the context requires otherwise:

- (a) "dean" means the Dean of the School of Law, his delegate or his representative;
- (b) "student" means a person enrolled at the School of Law of the University of Texas or a person accepted for admission or re-admission at the School of Law of the University of Texas;
- (c) "school of law" means the School of Law at the University of Texas at Austin; and
- (d) "university" means the University of Texas at Austin.

CHAPTER 2. VIOLATIONS

SUBCHAPTER 2-100. MISCONDUCT OBSTRUCTING ENFORCEMENT OF
THE CODE

Sec. 2-101. A summoned student other than a defendant may not without a reasonable excuse fail to appear and give testimony before the Honor Council or the Honor Tribunal.

Sec. 2-102. A student may not knowingly misrepresent material facts before the Honor Council or the Honor Tribunal.

Sec. 2-103. A student may not fail to comply with a final order of the Honor Tribunal imposed under Chapter 5.

SUBCHAPTER 2-200. ACADEMIC MISCONDUCT

Sec. 2-201. A student may not incorporate into work he offers for credit any passages taken either word for word or in substance from any work of another unless the student credits the original author and identifies the original author's work with quotation marks and footnotes

or other appropriate written explanation.

Sec. 2-202. A student may not offer for credit as work of his own any work prepared by another.

Sec. 2-203. A student may not offer for credit work of his own that he has previously offered for credit unless he secures his instructor's permission in advance of submission.

Sec. 2-204. A student may not offer for credit work prepared in collaboration with another unless he secures his instructor's permission in advance of submission. A student does not prepare work in collaboration with another if he merely discusses with another matter relevant to the work in question.

Sec. 2-205. A student may not invade the administrative security maintained for the preparation and storage of examinations. A student who learns he has, without invading administrative security, come in contact with an examination subject to administrative security must immediately inform the Dean.

Sec. 2-206. A student may not use during an examination period materials not authorized by the instructor giving the examination.

Sec. 2-207. A student may not take an examination for another student, nor may he knowingly permit another person to take an examination for him.

Sec. 2-208. A student taking an examination must comply with the instructions given by the person administering the examination that are within the regulations promulgated by the Honor Council.

Sec. 2-209. A student may neither give, receive nor obtain information pertaining to the examination during an examination period, except as provided in Section 2-206.

Sec. 2-210. A student who has taken an examination and a student who will take that examination may not discuss its contents with each other.

Sec. 2-211. A student may not for the purpose of preserving questions for use by another divulge the contents of an essay or objective examination designated by the instructor as an examination not to be removed from the examination room.

Sec. 2-212. A student may not take, keep, misplace or damage the property of the University of Texas or of another, if he knows, he will, by such conduct, obtain an unfair academic advantage. This section is intended to include, but not be limited to, the Law Library. No other violation of library rules shall be covered by this Code but shall remain subject to the rule making authority of the Law Librarian, or the Dean or his designees, or such other authority at The University created or empowered to deal with violations of library rules.

Sec. 2-213. A student may not misrepresent facts about himself or another to the faculty or administrative staff of the University of Texas for the purpose of obtaining an unfair academic or financial benefit or injuring another student academically or financially.

SUBCHAPTER 2-300. GENERAL PROVISIONS

Sec. 2-301. A student violates the Honor Code when he attempts or conspires to violate the Code.

Sec. 2-302. A student violates the Code only when he acts with knowledge of the facts which constitute the violation.

CHAPTER 3. THE HONOR COUNCIL

SUBCHAPTER 3-100. MEMBERSHIP OF THE COUNCIL

Sec. 3-101. The Board of Governors of the University of Texas School of Law Student Bar Association establishes and promulgates regulations for nomination and election to the Honor Council.

Sec. 3-102. The Honor Council has seven members. The members are:

- (a) one senior law student elected by the student body to serve as Chairman of the Honor Council for a term corresponding to the terms of office of the executive officers of the Student Bar Association;
- (b) three senior law students elected by the senior class for terms corresponding to the term of office of the Chairman;
- (c) two mid-law law students elected by the mid-law class for terms corresponding to the term of office of the Chairman; and
- (d) one freshman law student elected in the fall by the freshman class for a term corresponding to the terms of office of the freshman members of the Board of Governors of the Student Bar Association, or one freshman law student appointed by the Council from the summer freshman class to serve until a freshman representative is elected in the fall.

SUBCHAPTER 3-200. FUNCTIONS OF THE COUNCIL

Sec. 3-201. The Honor Council of the School of Law:

- (a) calls for and conducts the annual referendum on the honor system of student enforcement of this Honor Code;
- (b) establishes and promulgates regulations for the administration of examinations;
- (c) names a panel of nine students for possible service on the Honor Tribunal and recommends three of the nine for initial service on the Tribunal;
- (d) nominates, if necessary, additional members to the panel of students eligible for service on the Tribunal;
- (e) establishes and promulgates procedural regulations governing its investigations of Code violations;
- (f) investigates alleged violations of the Code;
- (g) presents to the Tribunal written complaints containing allegations of violations of the Code;
- (h) appoints counsel to represent the Council at the trial before the Tribunal;
- (i) selects and appoints students from the same class as the Council member replaced to replace Council members who become unable, unwilling or disqualified to serve; and
- (j) determines whether an elected or appointed Council member is unable, unwilling or disqualified to serve.

SUBCHAPTER 3-300. PROCEDURES OF THE COUNCIL

Sec. 3-301. The Council meets in closed session and the members keep in confidence the content and nature of the meetings, except to the extent the Tribunal or another adjudicative body compels disclosure.

Sec. 3-302. The Council, in investigating alleged violations of the Code:

- (a) acts on a complaint filed with the Council by any person, including a member of the Council, and
- (b) proceeds in accordance with the rules it has promulgated.

Sec. 3-303. The Council, in promulgating rules for the conduct of investigations, posts a copy of the rules in a conspicuous place in the School of Law and makes available a copy of the rules to any student who requests it.

Sec. 3-304. The Council, after receiving the results of an investigation in an informal meeting:

- (a) dismisses the complaint; or
- (b) proceeds to a formal hearing on the complaint.

Sec. 3-305. The Council, at a formal hearing, which is closed to the public, decides whether to dismiss the complaint or prosecute the alleged violation before the Tribunal.

Sec. 3-306. The Council, in deciding whether to prosecute, considers whether a violation of the Code resulted in substantial benefit to the alleged violator or substantial detriment to others.

Sec. 3-307. The Council, if it decides to prosecute, serves a formal complaint in writing to the alleged offender stating the alleged violation of the Code and forwards a copy of the complaint to the Tribunal.

Sec. 3-308. The Council may publish the final results of an investigation terminated by it and, with the consent of the Tribunal, may publish the final results of Tribunal proceedings. In neither instance may the Council disclose the identity of a defendant or of a witness.

SUBCHAPTER 3-400. DUTIES OF THE CHAIRMAN

Sec. 3-401. The Chairman, or if the Chairman is unable, unwilling or disqualified to serve, any member:

- (a) calls an organizational meeting of the Council as soon as possible after the election of the Council for the purpose of naming the Tribunal panel; and
- (b) calls other meetings of the Council.

Sec. 3-402. The Chairman:

- (a) notifies alleged offenders in writing of the date, time and place of formal hearings before the Council and of their right to be accompanied and advised by counsel;
- (b) issues summonses for necessary witnesses; and
- (c) presides over formal hearings before the Council.

CHAPTER 4. THE HONOR TRIBUNAL

SUBCHAPTER 4-100. MEMBERSHIP OF THE TRIBUNAL

Sec. 4-101. The Honor Tribunal has five members. The members are:

- (a) one member of the faculty appointed by the Dean to serve as Chairman until a replacement is appointed by the Dean;
- (b) one member of the faculty appointed by the Dean to serve as Vice-Chairman until a replacement is appointed by the Dean; and
- (c) three students appointed by the Dean from the panel of nine students named by the Council for service on the Tribunal, to serve until replacements are appointed by the Dean.

Sec. 4-102. The Dean replaces a faculty member whom he determines is unable, unwilling or disqualified to serve by appointment from the faculty and the Dean replaces a student member whom he determines is unable, unwilling or disqualified to serve by appointment from the panel named by the Council.

Sec. 4-103. Three members of the Tribunal constitute a quorum, if one of the three is a faculty member and, a quorum being present, a majority of those present rules.

SUBCHAPTER 4-200. FUNCTIONS OF THE TRIBUNAL

Sec. 4-201. The Tribunal:

- (a) receives written complaints from the Council containing allegations of violations of the Code;
- (b) sets the date, time and place for a hearing and notifies in writing the student defendant and the Council of the date, time and place, and of the defendant's right to appear by representative;
- (c) advises a student defendant who appears without a representative of his right to have the Tribunal appoint a member of the student body to represent him before the Tribunal and appoints such a representative unless the student defendant waives the right;
- (d) summons witnesses and requires the production of documentary and other evidence requested by the student defendant or the Council representative;
- (e) hears testimony and argument and evaluates evidence in cases charging violations of the Code;
- (f) adjudicates guilt or innocence; and
- (g) imposes penalties for violations of the Code.

SUBCHAPTER 4-300. PROCEDURES OF THE TRIBUNAL

Sec. 4-301. The Tribunal meets in closed session unless the student charged with violating the Code requests an open hearing. The members keep in confidence the contents and nature of the meetings unless the Faculty Review Committee or other adjudicative body compels disclosure.

Sec. 4-302. On his own initiative or in response to a challenge by an accused student to his fairness or objectivity, each member of the Tribunal decides for himself whether he can judge the case before him with fairness and objectivity.

Sec. 4-303. The Tribunal holds its initial hearing on any formal written complaint within thirty days of its receipt by the Chairman unless reasonable cause for delay is shown by the accused or the Council's representative.

Sec. 4-304. In conducting a hearing the Tribunal:

(a) proceeds informally and provides reasonable opportunities consistent with the requirements of Section 4-301 for witnesses to be heard, including interested persons appearing without the request of the Council or of the student defendant; and

(b) receives oral, documentary and real evidence that possesses probative value without regard to the legal rules of evidence, except that the Tribunal excludes irrelevant, immaterial and unduly repetitious evidence, and gives effect to the rules of privilege recognized by law;

(c) presumes a student defendant innocent of the alleged violation until it is convinced of his guilt by clear and convincing evidence;

(d) decides the issue of guilt or innocence and an appropriate penalty solely on the basis of admitted evidence;

(e) decides the issue of guilt before determining an appropriate penalty and offers the student defendant, at a separate hearing immediately after the conclusion of the initial hearing or at another time convenient to the parties, an opportunity to offer evidence or argument regarding an appropriate penalty;

(f) states in writing, signed by each concurring member of the Tribunal, each finding of guilt or innocence and the penalty determined, if any; and

(g) writes an opinion giving reasons for its decision in cases warranting an opinion.

SUBCHAPTER 4-400. THE HEARING BEFORE THE TRIBUNAL

Sec. 4-401. The student defendant and the Council:

(a) may appear by representative;

(b) may present oral, documentary or real evidence;

(c) may examine and cross examine witnesses;

(d) may request that the Tribunal exclude witnesses from the hearing when not testifying; and

(e) may require the Tribunal to issue summonses for witnesses and documents, except that a student defendant cannot be compelled to testify.

Sec. 4-402. In any case in which the Council gives notice in advance of the hearing that it will request the Tribunal to impose a penalty of barring from continuation or resumption of student status, suspension from the Law School or the University or expulsion from the Law School or the University, a phonorecording of the hearing is made under the supervision of the Chairman of the Tribunal. In such a case a student defendant may have a stenographer present at the hearing to make a stenographic transcript of the hearing at the student's expense, may phonorecord the hearing at the student's expense or, after the conclusion of the hearing, may have access to the phonorecording made under the supervision of the Tribunal.

Sec. 4-403. In any case in which the Council does not give notice in advance of the hearing that it will request the Tribunal to impose a

penalty of barring from continuation or resumption of student status, suspension from the Law School or the University or expulsion from the Law School or the University:

- (a) the Tribunal need not make a phonorecording of the hearing;
- (b) the Tribunal does not impose a penalty of barring from continuation or resumption of student status, suspension from the Law School or the University or expulsion from the Law School or the University; and
- (c) the Tribunal's decision is final.

Sec. 4-404. In cases where a student after receiving reasonable notice of a hearing of the charges against him fails to appear, the Tribunal may proceed with the hearing in his absence as if he were present.

SUBCHAPTER 4-500. DUTIES OF THE CHAIRMAN

Sec. 4-501. The Chairman of the Honor Tribunal:

- (a) calls meetings;
- (b) issues summonses;
- (c) orders depositions;
- (d) directs the course of hearings; and
- (e) notifies the proper person and directs him to change official records in cases where a final decision has been entered and the penalty imposed requires a change in official records.

SUBCHAPTER 4-600. APPEAL FROM A DECISION OF THE TRIBUNAL

Sec. 4-601. A student defendant may appeal the decision of the Honor Tribunal in a case in which the Tribunal imposes the penalty of barring from continuation or resumption of student status, suspension from the Law School or the University or expulsion from the Law School or the University.

Sec. 4-602. An appeal is made by giving written notice to the Honor Tribunal Chairman on or before the tenth day after the day the Tribunal announces the decision appealed. The notice is informal but contains the student's name, the date of the decision or action, if any, and the name of the student defendant's representative, if any.

Sec. 4-603. Notice of appeal timely given suspends the imposition of penalty until the appeal is finally decided.

Sec. 4-604. If notice of appeal is timely given as provided in Section 4-602, the Chairman, on or before the tenth day after notice of appeal is given, causes the phonorecording to be transcribed and sends the record to the Faculty Review Committee with a copy to the student appellant and a copy to the Honor Council.

Sec. 4-605. The hearing record is confidential and consists of:

- (a) a copy of the notice required under Section 4-201(b);
- (b) the phonorecording, if one is made, its transcription and all documentary and other evidence offered or admitted in evidence;
- (c) written motions, pleas and any other materials considered by the Tribunal;
- (d) the Tribunal's decision; and
- (e) its opinion, if any.

CHAPTER 5. PENALTIES

SUBCHAPTER 5-100. AUTHORIZED DISCIPLINARY PENALTIES

Sec. 5-101. The Honor Tribunal, subject to review by the Faculty Review Committee under Chapter 6, may impose one or more of the following penalties for violation of any provision of Chapter 2:

- (a) admonition;
- (b) probation;
- (c) money penalty not to exceed fifty dollars (\$50) over and above the value of any property damage or value of any property destroyed or taken and not returned;
- (d) suspension of rights or privileges deriving in whole or in part from the University;
- (e) suspension of eligibility for official co-curricular activities;
- (f) suspension of eligibility for any student office or honor;
- (g) increase in the number of course hours required for a degree;
- (h) cancellation of credit for scholastic work done;
- (i) reduction of the grade assigned in a course;
- (j) suspension from the University;
- (k) barring from continuation or resumption of student status;
- (l) expulsion; and
- (m) such other penalty as in the reasonable judgment of the Tribunal seems proper.

SUBCHAPTER 5-200. NATURE OF DISCIPLINARY PENALTIES

Sec. 5-201. The nature of disciplinary penalties is such that:

- (a) an admonition consists of a warning by the Dean;
- (b) disciplinary probation is for a definite period and indicates that further violations may result in suspension;
- (c) cancellation of credit for scholastic work done and reduction of a grade assigned in a course are imposed only for courses in which the defendant was found guilty of academic dishonesty;
- (d) a money penalty is assessed in cases such as those involving misappropriation of University property, use of University property without authorization or abuse of or destruction of University property or of a student's property;
- (e) suspension from the University means that a suspended student may not receive credit at the University for work done by correspondence or in residence at either this or any other educational institution during the period of suspension except when allowed by the Tribunal;
- (f) barring from continuation or resumption of student status is the minimum penalty that may be assessed a person subject to this Code who is not a student at the time discipline proceedings are instituted and who fails to appear before the Tribunal for the hearing of a complaint against him. This penalty is the same as the penalty of suspension from the University except that the period of the penalty continues until the person subjected to it submits to the jurisdiction of the Tribunal in the case in which the penalty was assessed. Submission to this jurisdiction involves either accepting the adjudication of violation made earlier or requesting a new hearing by the Tribunal for the purpose of contesting that adjudication of violation. The operation of this section is subject to Section 4-404; and

(g) expulsion from the University means permanent severance from the University.

CHAPTER 6. CONSIDERATION OF APPEAL BY FACULTY REVIEW COMMITTEE

SUBCHAPTER 6-100. MEMBERSHIP OF THE COMMITTEE

Sec. 6-101. The Dean at the beginning of each academic year appoints a standing committee named the Faculty Review Committee.

Sec. 6-102. The Committee has seven members who serve until replaced by the Dean. The members are:

- (a) five members of the law faculty appointed by the Dean;
- (b) one member of the law faculty appointed by the Dean to serve as Vice-Chairman; and
- (c) one member of the law faculty appointed by the Dean to serve as Chairman.

Sec. 6-103. Five members of the Faculty Review Committee constitute a quorum and, a quorum being present, a majority of those present rules.

SUBCHAPTER 6-200. FUNCTIONS OF THE COMMITTEE

Sec. 6-201. The Committee:

- (a) compels Tribunal action unreasonably delayed, and
- (b) at the request of a student defendant, reviews adjudications by the Tribunal in cases where the Tribunal imposes the penalty of barring from continuation or resumption of student status, suspension from the Law School or the University, expulsion from the Law School or the University, a monetary fine, an increase in the number of course hours required for a degree, or such other penalty as provided under Section 5-101 (m).

SUBCHAPTER 6-300. CONSIDERATION OF APPEAL BY COMMITTEE

Sec. 6-301. Upon receipt of a notice of appeal by a student defendant, the Committee:

- (a) notifies the student defendant and the Council in writing of the time, date and place for hearing; and
- (b) hears oral argument and receives written briefs from the student defendant and the Council, or their representatives.

Sec. 6-302. The Committee after considering the appeal:

- (a) affirms the Tribunal's decision;
- (b) reduces the penalty determined or otherwise modifies the Tribunal's decision;
- (c) sets aside the Tribunal's finding of guilt or penalty or both and remands either or both to the Tribunal for further proceedings; or
- (d) dismisses the complaint.

Sec. 6-303. The Committee may, with the consent of the student defendant, modify a penalty determined by the Tribunal. If a new hearing is ordered the Tribunal may, with the consent of the student defendant, impose a penalty that differs from the penalty originally imposed.

Sec. 6-304. The Committee modifies or sets aside the finding of

violation or imposition of penalty or both if the substantial rights of the student defendant were prejudiced because the Tribunal's procedures, findings of fact, inferences, conclusions or decisions were:

- (a) in violation of federal or state law, regents' rule, University regulation or administrative rule;
- (b) in violation of this code;
- (c) clearly erroneous in view of the reliable, probative and substantial evidence in the complete hearing record; or
- (d) capricious, or characterized by abuse of discretion or clearly unwarranted exercise of discretion.

Sec. 6-305. The decision of the Faculty Review Committee is final.

6. The Graduate Assembly on April 4, 1972, approved the following catalog changes pertaining to the Master of Business Administration and Master in Professional Accounting degrees:

CHANGE FROM:

MASTER OF BUSINESS ADMINISTRATION DEGREE

The Master of Business Administration program concentrates on developing well-prepared candidates for early assumption of high level responsibilities of management in a rapidly changing business environment. It is designed to provide training in basic disciplines underlying business management; to develop analytical skills in business administration; and to develop an understanding of theory and operations in the functional area of business. This program is designed to accommodate students with a bachelor's degree in either nonbusiness or business fields. Flexibility is allowed in the program for in-depth study of a particular functional area for those students who find such specialization in accord with intended career objectives.

The first year of this master's program is largely concerned with developing a strong foundation for the prospective manager in administrative-behavioral concepts and quantitative methods and with establishing a foundation in the functional areas of business administration. The general areas of instruction include:

- Administrative and behavioral aspects of organization.
- Quantitative methods.
- Legal and economic environment.
- Functional business disciplines.

The second-year is devoted to sufficient elective work so that the student can pursue in greater depth, general management training or concentrate in building technical proficiency in a particular area. In addition, emphasis is placed upon the technological environment, production concepts, information systems, and functional integration.

Admission to the Graduate School of Business. - Requirements for admission to the Graduate School of Business are as follows:

- 1. A bachelor's degree from an accredited institution.
- 2. A satisfactory score on the Graduate Record Examination or on the Admission Test for Graduate Study in Business.
- 3. A grade-point average of not less than 3.0 (4.0 basis) on

- all undergraduate upper-division courses taken.
4. Mathematics through the elements of calculus.*
 5. Proficiency in the use of the English language. (If a student's verbal score on the admission examination is below an acceptable minimum, he must take an English proficiency test during the first semester of enrollment in the M.B.A. program. Satisfactory performance on this test must be accomplished prior to the last semester of enrollment.)

Requirements. - The requirements for a Master of Business Administration Degree are outlined below:

(1) Required courses of which one or more may be waived with the approval of the Dean of the Graduate School of Business. Students in the master's program are not expected to repeat subjects covered comprehensively in their previous education.

Accounting 381K, 381L, Business Administration 380L, Business Law 380, Economics 387L.4, Finance 382, 383, Management 381, Marketing 381, and Statistics 381K.+

(2) Required courses as follows:
Business Administration 380K, 382K, Management 384, and one of the following two plans:

- a. Thesis Plan: Business Administration 698 and fifteen semester hours of electives.
- b. Professional Report Plan: Business Administration 398 and eighteen semester hours of electives.

In general, the requirements listed under (1) above should be satisfied before those listed under (2). A more specific recommended sequence of courses should be obtained from the Graduate School of Business.

Upon enrollment in Business Administration 698 or 398, a committee to approve the thesis or professional report shall be appointed by the Dean of the Graduate School of Business. Courses selected as electives must include three semester hours from the graduate offerings in each of four departments chosen from among the following six departments: Accounting, Economics, Finance, Management, Marketing Administration, and General Business (operations research and statistics). Electives are to be approved by the Dean of the Graduate School of Business as being consistent with the objectives of the M.B.A. program (generally only graduate courses will be approved).

The Master of Business Administration program is designed so that the student may develop some concentration in one of the following areas: Accounting, finance (including insurance and real estate), management (including production, personnel, and transportation), marketing (including international business and resources), or quantitative methods in business (including statistics and operations research). However, no more than twelve semester hours (excluding Business Administration 398 or 698) may be taken in any one department of the Graduate School of Business in fulfillment of the requirements listed under (2) above.

A degree plan must be approved by the Dean of the Graduate

School of Business. Three bound copies of the thesis or one bound copy of the professional report must be presented to the Dean of the Graduate School of Business. All work for the Master of Business Administration degree must be completed within one six-year period.

*This admission requirement of three semester hours of calculus may be fulfilled as a deficiency in a specially designed course during the first semester of enrollment in the program.

+The courses listed under (1) above may not be used to satisfy the requirements listed under (2).

CHANGE TO:

MASTER OF BUSINESS ADMINISTRATION DEGREE

The Master of Business Administration (MBA) is designed to provide a foundation of selected concepts having broad relevance and the analytical tools essential to executive management. It affords the student a wide range of choices to complete advanced study that integrates developments, theory and applications as they relate to the exercise of executive and staff administrative responsibilities. Specialization is limited.

ADMISSION TO THE MASTER OF BUSINESS ADMINISTRATION PROGRAM

Admission Requirements. - The following requirements should be met in order to be considered for admission to the Master of Business Administration program:

1. An undergraduate degree from a recognized college or university.
2. An approximate 3.0 grade point average (4.0 basis) on all prior advanced-level (junior, senior, and graduate) courses taken.
3. An approximate score of either 500 on the Admission Test for Graduate Study in Business (ATGSB) or 1050 on the Graduate Record Examination (GRE) Aptitude Test.

The following requirements must be met before admission OR during the first calendar semester in the program:

4. Mathematics proficiency in integral and differential calculus, symbolic logic, set theory, matrix and linear algebra.
5. Proficiency in English. If a student's verbal score on the admission examination is below an acceptable minimum, he must take an English proficiency test during the first semester of enrollment in the program. Satisfactory performance on this test must be accomplished prior to the last semester of enrollment.

Requirements. - The requirements for a Master of Business Administration degree are outlined below:

First year: A total of thirty-six semester hours in Business

Administration consisting of the following required courses of which one or may may be waived with the approval of the Dean of the Graduate School of Business. Students in the Master's Program are not expected to repeat subjects covered comprehensively in their previous education.

Business Administration 180R	Communication
Business Administration 181R	Social and Cultural Behavior
Business Administration 182R	Individual Behavior
Business Administration 183R	Computer Use in Decision Making
Business Administration 280S	Research Design and Measurement
Business Administration 281S	Micro-economic Analysis
Business Administration 282S	Administrative Organizations
Business Administration 283S	Group Behavior
Business Administration 380T	Management Science
Business Administration 381T	Distribution Dynamics and Logistics
Business Administration 382T	Planning and Control
Business Administration 383T	Macro-environmental Analysis
Business Administration 384T	Information Flows, Resource Allocation and Performance Evaluation
Business Administration 385T	Capital Management
Business Administration 386T	Data Analysis and Interpretation
Business Administration 387T	Institutions and Management

Second year: Thirty semester hours as follows:

- 1) A Professional Report (BA 398) prepared under the supervision of a Supervisory Committee of at least two members of the Faculty of the Graduate School of Business appointed by the Graduate Adviser. The candidate must complete the Professional Report in two academic semesters (two Summer terms are assumed to be one academic semester). Following approval by the Supervisory Committee, the bound manuscript, including the signed statement of approval, shall be submitted to the Dean of the Graduate School of Business.
- 2) Integrative course - Management Strategy and Implementation - BA 388T. A course characterized by an integrative overview of the management of complex endeavors. The purpose of this course is to integrate the several disciplines represented in the Graduate School of Business through application of classroom learning experience to managerial problems.
- 3) Twenty-four semester hours of graduate courses
 - a) No more than nine hours specialization including conference courses; a student may include only three semester hours of BA X91 (i.e. BA 391, 291, 191) in meeting the second-year elective course degree requirement.

- b) At least twenty-one of the thirty semester hours must be within the Graduate School of Business, and these twenty-one semester hours should consist of a combination of courses which represents the general management approach.

A degree plan must be approved by the Dean of the Graduate School of Business. All requirements for the degree must be completed within one six-year period.

CHANGE FROM:

MASTER IN PROFESSIONAL ACCOUNTING DEGREE

This two-year graduate program, administered by the Graduate School of Business, is designed to meet the needs of students who plan to assume executive responsibilities related to production or use of accounting information in organizations, or who plan to enter public accounting. It will accommodate students with a bachelor's degree in either nonbusiness or business fields.

The first year of the program is devoted to developing an understanding of accounting and the other functional areas of business administration. The second-year builds a professional level of analytical skill in the accounting discipline. Additionally, emphasis is placed upon the interaction of accountancy and the socio-economic environment within which it operates. In planning a program of study, and in selecting specific courses, the student will be encouraged to exploit his interests and natural aptitudes in his preparation for a career.

During the first year, students are not expected to repeat subjects covered comprehensively in their previous education. One or more required first-year courses may be waived after discussion with an appropriate faculty member and approval by the Dean of the Graduate School of Business. Students having a bachelor's degree in business normally will take only the second-year requirements.

Admission to the Graduate School of Business. -

1. A bachelor's degree from an accredited institution and credit for at least sixty semester hours (including economics) outside business administration.
2. A satisfactory score on the Graduate Record Examination, or on the Admission Test for Graduate Study in Business.
3. A grade-point average of not less than 3.0 (4.0 basis) on all undergraduate upper-division courses taken.
4. Mathematics through the elements of calculus (three semester hours of calculus).*
5. Proficiency in the use of the English language. (If a student's verbal score on the graduate admission test is below an accepted minimum, he must take an English proficiency test during the first semester of enrollment in the Master in Professional Accounting program. Satisfactory performance on this test must be accomplished prior to the last semester of enrollment.)
6. Potential for leadership in accountancy as appraised by the faculty.

Requirements. -

(1) First graduate year. - Thirty semester hours composed of Accounting 381K, 381L, 381M; Statistics 381K; Management 381; Marketing 381; Finance 382, 383; Business Law 380; and three semester hours of upper-division accounting elective. The first-year courses may not be used to satisfy second-year requirements.

(2) Second graduate year. - Accounting 381 (Seminar in Accounting Theory) and Accounting 380K,3 (Seminar: Quantitative Methods in Accounting) plus the semester hours specified in any one of the three options listed below. In addition, acceptable performance is required in an oral examination involving coverage of the accounting discipline as reflected by the student's program, normally to be held prior to the final examination period of the term in which the degree is to be conferred.

Course Option. - Twenty-seven additional semester hours of upper-division and graduate courses, fifteen of which must be graduate courses:

- (a) Twelve semester hours of accounting electives.
- (b) Twelve semester hours of business administration and/or other University courses directly related to accounting, including no more than three semester hours of accounting.
- (c) Business Administration 398 (including a professional report). This course normally is taken during the last semester of the second year. The report shall be approved by a committee appointed by the Dean of the Graduate School of Business.

Thesis Option. - Twenty-four additional semester hours of upper-division and graduate courses, fifteen of which must be graduate courses:

- (a) Nine semester hours of accounting electives.
- (b) Nine semester hours of business administration and/or other University courses directly related to accounting, including no more than three semester hours of accounting.
- (c) Business Administration 698 (Thesis). In this plan, the candidate must complete formal instruction in Business Administration 698a (normally during the first semester of the second year) prior to enrollment in Business Administration 698b. The thesis shall be completed in Business Administration 698b and must be approved by a committee appointed by the Dean of the Graduate School of Business. Three bound copies of the thesis are presented to the Dean of the Graduate School of Business.

Internship Option. - Twenty-four additional semester hours of upper-division and graduate courses, fifteen of which must be graduate courses:

- (a) Nine semester hours of accounting electives.
- (b) Nine semester hours of business administration and/or other University courses directly related to accounting, including no more than three semester hours of accounting.
- (c) Business Administration 398 (including a professional report).

This course normally is taken during the last semester of the second year. The report shall be approved by a committee appointed by the Dean of the Graduate School of Business.

- (d) Accounting 383 (Internship). In Accounting 383, the student must complete a full-time internship of six to nine months in public, industrial, or governmental accounting. The M.P.A. adviser shall approve and supervise the internship. A report covering the internship, giving evidence of experience, rotation, and broad training, must be written by the candidate and approved by the employer and the M.P.A. adviser. Candidates having previous experience, upon approval of the M.P.A. adviser, may satisfy the requirement with six months' full-time internship. Credit for Accounting 383 will be granted only if the internship is initiated before more than fifteen hours of the second-year requirements have been completed, except with the consent of the Dean of the Graduate School of Business.

Substitutions in above Plans. - A student with credit for twenty-seven hours of accounting prior to entering the second year may substitute for three hours of accounting electives under requirement (a) for any one of the three options any upper-division or graduate course in the University appropriate to his program. Substitutions shall not serve to change the limits specified in the preceding paragraphs for undergraduate hours.

A degree plan must be approved by the Dean of the Graduate School of Business. Three bound copies of the thesis or one bound copy of the professional report must be presented to the Dean of the Graduate School of Business. All requirements for the degree must be completed within one six-year period.

*This admission requirement may be fulfilled as a deficiency during the first semester of enrollment by completion of a specially designed course for nonmathematics majors.

CHANGE TO:

MASTER IN PROFESSIONAL ACCOUNTING DEGREE

This graduate program, administered by the Graduate School of Business, is designed to meet the needs of students who plan to assume executive responsibilities relating to the production or the use of accounting information. The program can accommodate students with a bachelor's degree in any field.

Students with undergraduate degrees in areas other than accounting would normally be expected to complete specially selected background courses in business administration and accounting. Depending upon prior courses and experience this background preparation for the M.P.A. may encompass up to 30 semester hours, including 15 hours of accounting, prior to undertaking the degree requirements stated below. Subjects covered comprehensively in previous education need not be repeated.

The M.P.A. program builds a professional level of analytical skill in the accounting discipline. Additionally, emphasis is placed upon the interaction of accountancy and the socio-economic environment within which it operates. In planning a program of study and in select-

ing specific courses the student will be encouraged to pursue his interests and aptitudes in his preparation for a career.

Admission Requirements. - The following requirements should be met in order to be considered for admission to the Master in Professional Accounting program:

1. A bachelor's degree from an accredited institution and credit for at least sixty semester hours, including economics, outside business administration. (As explained above, students with an undergraduate degree in an area other than accounting may be required to complete background work in business administration and/or accounting in addition to the specific degree requirements.)
2. Potential for leadership in accountancy as appraised by the faculty.
3. An approximate score of either 500 on the Admission Test for Graduate Study in Business (ATGSB) or 1050 on the Graduate Record Examination (GRE) Aptitude Test.
4. A grade-point average of not less than 3.0 (4.0 basis) on all upper-division undergraduate courses taken.
5. Mathematics through the elements of calculus (three semester hours of calculus).*
6. Proficiency in the use of the English language. (If a student's verbal score on the graduate admission test is below an acceptable minimum, he must take an English proficiency test during the first semester of enrollment in the Master in Professional Accounting program. Satisfactory performance on this test must be accomplished prior to the last semester of enrollment.)

Requirements. -

Accounting 381 (Seminar in Accounting Theory) and Accounting 380K.3 (Seminar: Quantitative Methods in Accounting) plus the semester hours specified in any one of the three options listed below.

Course Option. - Twenty-seven additional semester hours of upper-division and graduate courses, fifteen of which must be graduate courses:

- (a) Twelve semester hours of accounting electives.
- (b) Twelve semester hours of business administration and/or other University courses directly related to accounting, including no more than three semester hours of accounting.
- (c) Business Administration 398 (professional report). The report shall be approved by a committee appointed by the Dean of the Graduate School of Business.

Thesis Option. - Twenty-four additional semester hours of upper-division and graduate courses, fifteen of which must be graduate courses:

- (a) Nine semester hours of accounting electives.
- (b) Nine semester hours of business administration and/or other University courses directly related to accounting, including no more than three semester hours of accounting.

- (c) Business Administration 698 (Thesis). Course 698a (the research period) must precede Course 698b (the writing period). The thesis must be approved by a committee appointed by the Dean of the Graduate School of Business.

Internship Option. - Twenty-four additional semester hours of upper-division and graduate courses, fifteen of which must be graduate courses:

- (a) Nine semester hours of accounting electives.
- (b) Nine semester hours of business administration and/or other University courses directly related to accounting, including no more than three semester hours of accounting.
- (c) Business Administration 398 (professional report). The report shall be approved by a committee appointed by the Dean of the Graduate School of Business.
- (d) Accounting 383 (Internship). In Accounting 383, the student must complete a full-time internship of six to nine months in public, industrial, or governmental accounting. The M.P.A. adviser shall approve and supervise the internship. A report covering the internship, giving evidence of experience, rotation, and broad training, must be written by the candidate and approved by the employer and the M.P.A. adviser. Candidates having previous experience, upon approval of the M.P.A. adviser, may satisfy the requirement with six months' full-time internship. Credit for Accounting 383 will be granted only if at least 15 hours of course work remains upon completion of the internship, except with the consent of the Dean of the Graduate School of Business.

Substitutions in above Plans. - A student with credit for twenty-seven hours of accounting prior to entering the program may substitute for three hours of accounting electives under requirement (a) for any one of the three options any upper-division or graduate course in the University appropriate to his program. Substitutions shall not serve to change the limits specified in the preceding paragraphs for undergraduate hours.

A degree plan must be approved by the Dean of the Graduate School of Business. Three bound copies of the thesis or one bound copy of the professional report must be presented to the Dean of the Graduate School of Business. All requirements for the degree must be completed within one six-year period.

*This admission requirement may be fulfilled as a deficiency during the first semester of enrollment by completion of a specially designed course for nonmathematics majors.

REASONS FOR PROPOSED CHANGES:

The purpose of the changes in this program were to revise and update the contents of the various courses, rearrange the sequencing of courses and the amount of time spent on various subjects in the MBA/MPA program in order to provide students with more current knowledge and background about business.

GIFTS TO THE UNIVERSITY OF TEXAS AT AUSTIN

The following gifts have been received at The University of Texas at Austin. I recommend acceptance and that the thanks and appreciation of the Board be sent the donors by the Secretary. In the case of scholarships where the recipient is designated by the donor, it has been ascertained that the donor is a charitable or public institution and that the donation does not constitute an evasion of taxes.

A single asterisk preceding the name of the donor indicates no letter of transmittal from the donor. Two asterisks following the dollar amount indicate a noncash gift. In the case of unsold stock, the dollar amount stated is an appraisal or book value. Gifts for endowment purposes are indicated by an "E" following the dollar amount.

	DONOR	PURPOSE AND CONDITIONS	AMOUNT
1	American Psychological Association B. E. Cherney 1200 17th Street, N.W. Washington, D. C. 20036	Department of Psychology Contribution to cover expenses of editing the Journal of Contemporary Psychology, Dr. Gardner Lindzey, editor	\$8,000.00
2	* Ashland Chemical Company Division of Ashland Oil, Inc. J. E. Lewis, Director of Research and Development P. O. Box 1503 Houston, Texas 77001	Department of Chemistry Contribution to assist with the research program under direction of Dr. W. H. Wade	5,000.00
3	* Estate of E. M. Barron R. C. Thompson Administrator U. T. Permian Basin Odessa, Texas 79760	U. T. Austin Regular distribution of funds from E. M. Barron Estate	12,206.70 E
4	Eric B. Becker 4701 Crestway Drive Austin, Texas 78731	College of Engineering Contribution to the Bureau of Engineering Research for a research project on solid propellant rockets	21,000.00
5	Cities Service Oil Co. J. O. Scott, Manager Production Research P. O. Box 50408 Tulsa, Oklahoma 74150	College of Engineering Contribution to Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
6	* Clayton Foundation for Research 1621 Bank of the Southwest Building Houston, Texas 77002	U. T. Austin Quarterly contribution toward coordinating the curriculum of the Department of Chemistry with Biochemical Institute research	8,750.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
7 William Stamps Farish Fund J. O. Winston, Jr., Trustee Suite 220, Houston Natural Gas Building Houston, Texas 77002	U. T. Austin Contribution to the Depart- ment of Geological Sciences for the William Stamps Farish, Sr., Professorship of Geology	\$12,000.00
8 *Fondation Nationale pour l'Enseignement de la Gestion des Entreprises 115 Boulevard Haussmann Paris, France	College of Business Administration Continuation of support for a program in business education for 15 French educators	20,000.00
9 *National Lead Company, Baroid Division J. W. Jordan Technical Director P. O. Box 1675 Houston, Texas 77001	College of Engineering Contribution to Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
10 *Judson Neff 1801 Lavaca, Apt. 11-J Austin, Texas 78701	College of Business Administration Unrestricted contribution to the Business Administration Foundation	5,000.00
11 Pan American Sulphur Co. H. F. Korholz, President Shirley Highway Alexandria, Virginia 22314	U. T. Austin Contribution to The Univer- sity of Texas Press for the Texas Pan American Fund, for translation and publication of Latin American books	10,000.00
12 Major J. R. Parten 1603 Bank of the South- west Building Houston, Texas 77002	U. T. Austin Contribution to the Arts and Sciences Foundation in support of the Walter Prescott Webb International Symposium	10,000.00
13 The Shubert Foundation, Inc. L. S. Lawrence, President 236 West 44th Street New York, New York 10036	College of Fine Arts Contribution to the Department of Drama to be used for the E. P. Conkle Playwriting Workshop	10,000.00
14 *Sun Oil Company William L. Hill 503 North Central Expressway Richardson, Texas 75080	College of Engineering Contribution to Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
15 *Tenneco Foundation Holt P. Daniels, Jr. Director of Community Affairs P. O. Box 2511 Houston, Texas 77001	College of Business Administration Unrestricted contribution to the Business Administration Foundation	\$5,000.00
16 Tenneco Oil Company J. A. Leask, Manager of Production Operations P. O. Box 2511 Houston, Texas 77001	College of Engineering Contribution to Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
17 Texas Eastman Company J. S. Witt, Treasurer P. O. Box 7444 Longview, Texas 75601	College of Engineering Contribution to the Engineering Foundation in support of the Industrial Associates Program	10,000.00
18 *Texas Electric Service Company P. O. Box 970 Fort Worth, Texas 76101	College of Engineering Contribution to the Bureau of Engineering Research for a project on the treatment of waste water	8,000.00
19 Texas Life Convention Ed E. Sammons Secretary-Treasurer P. O. Box 599 Dallas, Texas 75221	College of Business Administration Contribution to provide salary supplementation for a professor in the field of actuarial sciences	5,000.00
20 Varner-Bayou Bend Heritage Fund Miss Ima Hogg, President P. O. Box 13213 Houston, Texas 77019	U. T. Austin Contribution to The University of Texas Press to be used for publication of the "Texas Book" relating to early Texas furniture and related historical objects	70,000.00
21 J. M. West Texas Corporation J. T. Trotter, Trustee 500 Southwest Tower Houston, Texas 77002	College of Engineering Unrestricted contribution to the Engineering Foundation	5,000.00

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET

The term "rate" for academic personnel is the full-time nine-month base rate; for classified personnel it is the full-time twelve-month rate, the appointee receiving a proportionate amount depending upon the fraction of time for which he is appointed and the period of his appointment. Source of funds for payment of salaries, unless otherwise shown, is the departmental salaries account.

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

GENERAL ADMINISTRATION AND STUDENT SERVICESOffice of the President

Change of Status

1. Lorene L. Rogers	9/1 - 8/31	100	12	\$ 35,000
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Change in Title only:

To: Vice President

From: Assistant to the President
(RBC# 2063)Office of the Vice President for Student Affairs and Counseling-Psychological Service Center

Transfer of Funds

2. Amount of Transfer - \$2,400

To: Vice President for Student Affairs - Maintenance, Operation, and Equipment (\$1,200)
Counseling-Psychological Services Center - Maintenance, Operation, and Equipment (\$1,200)

From: Telephone Counseling and Referral Service - Computer Rental and Purchased Services

The Telephone Counseling and Referral Service is presently using a computer terminal which is paid for by the Office of the Vice President for Student Affairs, and is, therefore, transferring its unused computer rental funds.
(RBC# 2027)Office of the Vice President for Academic Affairs

Transfer Between Dissimilar Appropriations

3. Amount of Transfer - \$1,000

To: Maintenance, Operation, and Equipment

From: Travel

To cover maintenance, operation, and equipment expenses for the remainder of the year.
(RBC# 2138)

Transfer of Funds

4. Amount of Transfer - \$920

To: Office of the Vice President for Academic Affairs - Classified Personnel

From: Office of the President - Classified Personnel

To provide funds for the transfer of a half-time senior secretary from the President's Office to the Vice President's Office.
(RBC# 2130)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>GENERAL ADMINISTRATION AND STUDENT SERVICES (Continued)</u>				
<u>Student Financial Aids</u>				
Transfer Between Dissimilar Appropriations				
5. Amount of Transfer - \$1,575				
To: Maintenance, Operation, and Equipment				
From: Classified Personnel				
To provide funds for the Student Financial Aids office to sustain its maintenance, operation, and equipment operation for the remainder of the fiscal year.				
(RBC# 2121)				
<u>GENERAL INSTITUTIONAL EXPENSE</u>				
<u>University Development Board</u>				
Salary Increase and Change of Status				
6. Margaret S. Morgan				
To: Executive Assistant	9/1 - 3/31	100	12	\$ 10,440
Assistant Director	4/1 - 8/31	100	12	12,000
From: Executive Assistant	9/1 - 8/31	100	12	<u>10,440</u>
Rate Increase			<u>12</u>	<u>\$ 1,560</u>
(RBC# 2105)				
Transfer Between Dissimilar Appropriations				
7. Amount of Transfer - \$5,000				
To: Wages				
From: Publishing and Mailing				
To provide funds for additional temporary employees needed for special programs being conducted.				
(RBC# 2079)				
<u>SCHOOL OF ARCHITECTURE</u>				
Change of Status				
Assistant Instructor				
8. Polly T. B. Pharr (Non-tenure)				
To:	9/1 - 12/31	40	9	8,000
	1/1 - 5/31	50		
From:	9/1 - 5/31	40	9	8,000
(RBC# 2040)				
Transfer of Funds				
9. Amount of Transfer - \$700				
To: Planning Program - Maintenance and Operation				
From: Unallocated Maintenance and Operation				
Additional funds were needed to cover increased telephone costs.				
(RBC# 2137)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>OFFICE OF THE PROVOST FOR ARTS AND SCIENCES</u>				
Transfer of Funds				
10. Amount of Transfer - \$3,000				
To: Office of the Provost for Arts and Sciences - Maintenance and Operation				
From: Unallocated Maintenance and Operation				
To provide operational funds needed for the remainder of the fiscal year.				
(RBC# 2054)				
Transfer Between Dissimilar Appropriations				
11. Amount of Transfer - \$5,000				
To: Maintenance and Operation				
From: Jester Center				
Reallocation of funds to provide for the operational needs of this office.				
(RBC# 2007)				
<u>COLLEGE OF HUMANITIES</u>				
<u>English</u>				
Leave of Absence				
Associate Professor				
12. Thomas B. McMahon (Tenure)	9/1 - 5/31	100	9	\$ 17,000
Term of Leave:	3/8 - 5/31			
(RBC# 2086)				
Retirement				
Professor				
13. Martin M. Crow (Tenure)	9/1 - 5/31	100	9	22,300
Date of Retirement:	5/31/72			
(RBC# 1999)				
Ashbel Smith Professor				
14. Ernest C. Mossner (Tenure)	9/1 - 5/31	LWOP	9	(26,000)
Date of Retirement:	5/31/72			
(RBC# 2043)				
<u>English and Linguistics</u>				
Retirement				
Professor				
15. Archibald A. Hill (Tenure)	9/1 - 5/31	100	9	25,000
Date of Retirement:	5/31/72			
(RBC# 2042)				
<u>French and Italian</u>				
Appointment				
Visiting Professor				
16. Roland Desné (Non-tenure)	4/1 - 4/30	100	9	27,000
Source of Funds: Transfer from				
Unallocated Faculty Salaries				
(RBC# 2118, 2133)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF HUMANITIES</u>				
<u>French and Italian (continued)</u>				
Appointment				
Assistant Instructor				
17. Joan D. B. Johnson (Non-tenure) (RBC# 2039)	1/16 - 5/31	50	9	\$ 8,000

Germanic Languages

Transfer of Funds

18. Amount of Transfer - \$158

To: Germanic Languages - Classified Personnel

From: Dean of Humanities - Classified Personnel

To provide funds for an overlap in a Senior Secretary position in the Department of Germanic Languages.
(RBC# 2124)

Oriental and African Languages and Literatures

Transfer Between Dissimilar Appropriations

19. Amount of Transfer - \$305

To: Maintenance, Operation, and Equipment

From: Wages

To reimburse the maintenance, operation, and equipment account for funds previously used to pay Work-Study program workers.
(RBC# 2080)

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCESOffice of the Dean

Transfer of Funds

20. Amount of Transfer - \$620

Transfers were made from the Dean's Office Travel account to the various departmental Travel accounts as follows:

(1) Anthropology (RBC# 2110)	\$150	(3) Government (RBC# 2078)	70
(2) Economics (RBC# 2023)	250	(4) History (RBC# 2077)	150

Transfer of Funds

21. Amount of Transfer - \$400

Transfers were made from the Dean's Office, Visiting Lecturers account to the various departmental Visiting Lecturers account as follows:

(1) Geography (RBC# 2126)	\$250
(2) History (RBC# 2022)	150

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES (Continued)

Anthropology

Transfer of Funds

22. Amount of Transfer - \$2,000

To: Anthropology - Maintenance and Operation

From: Unallocated Maintenance and Operation

Transfer funds to provide for the departments operational needs for the remainder of the fiscal year.

(RBC# 2060)

Economics

Transfer of Funds

23. Amount of Transfer - \$3,000

To: Economics - Administrative and Professional Salaries

From: Unallocated Classified Salaries

To provide a special faculty assignment for Dr. Forest G. Hill during the second summer session.

(RBC# 2056)

Government

Transfer of Funds

24. Amount of Transfer - \$2,036

To: Government - Maintenance and Operation

From: Unallocated Maintenance and Operation

Government 312L and 311L are courses for which students enrolled pay a special laboratory fee. This transfer is to reimburse the departments maintenance and operation account for the costs incurred by these courses for which the fees were collected.

(RBC# 2055, 2057)

Psychology

Appointment

Visiting Professor

25. Judith H. Bardwick (Non-tenure)
(RBC# 2113)

3/1 - 3/15

100

Academic
Rate
\$ 18,000

Stipend
\$ 1,000

Visiting Professor

26. Ellen Berscheid (Non-tenure)
(RBC# 2114)

2/15 - 2/29

100

18,000

1,000

Visiting Professor

27. Harriet L. Rheingold (Non-tenure)
(RBC# 2117)

3/15 - 3/29

100

18,000

1,000

Visiting Professor

28. Richard E. Nisbett (Non-tenure)
(RBC# 2115)

3/1 - 3/15

100

18,000

1,000

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</u>				
<u>Psychology (continued)</u>				
Transfer of Funds				
29. Amount of Transfer - \$6,000				
To: Psychology - Faculty Salaries				
From: Unallocated Teaching Salaries				
To provide stipends for six Visiting Professors. (RBC# 2075)				
<u>COLLEGE OF NATURAL SCIENCES</u>				
<u>Office of the Dean</u>				
Interdepartmental Transfer				
30. Amount of Transfer - \$500				
To: Office of the Dean of Natural Sciences - Wages				
From: Office of the Provost for Arts and Sciences - Classified Salaries				
Funds are needed to provide for wages during the summer. (RBC# 2125)				
<u>Astronomy</u>				
Transfer Between Dissimilar Appropriations				
31. Amount of Transfer - \$1,500				
To: Maintenance and Operation				
From: Computer Rental and Purchased Services				
To provide funds to cover Computation Center charges for computer supplies and accessories during fiscal year 1971-72. (RBC# 2155)				
<u>Chemistry</u>				
Transfer Between Dissimilar Appropriations				
32. Amount of Transfer - \$8,000				
To: Wages				
From: Teaching Assistants				
Reallocation of funds to provide part-time student assistants, graders, and summer storeroom assistants for the department. (RBC# 2076)				
<u>Computer Sciences</u>				
Interdepartmental Transfer				
33. Amount of Transfer - \$96				
To: Computer Sciences - Classified Personnel				
From: Office of the Provost for Arts and Sciences - Classified Personnel				
To provide for a one-step salary adjustment for a member of the classified staff. (RBC# 2021)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF NATURAL SCIENCES (Continued)Geological Sciences

<u>Appointment</u>			<u>Academic Rate</u>	<u>Stipend</u>
34. Visiting Professor Vladimir Skocek (Non-tenure) (RBC# 2116)	2/14 - 2/29	100	\$ 18,000	\$ 1,000
35. Visiting Professor John H. Moss (Non-tenure) (RBC# 2139)	2/28 - 3/17	100	18,000	1,000
36. Visiting Professor Alfred G. Fischer (Non-tenure) (RBC# 2099)	3/9 - 3/24	100	18,000	1,000

Mathematics

<u>Change of Status</u>			<u>Full-time Salary</u>	
<u>Assistant Instructor</u>			<u>No. Mos.</u>	<u>Rate</u>
37. Ernest S. Pyle, Jr. (Non-tenure)				
To:	1/16 - 2/15	50	9	\$ 8,000
	2/16 - 5/31	100		
From:	1/16 - 5/31	50	9	8,000
(RBC# 2000)				

ZoologyTransfer of Funds

38. Amount of Transfer - \$3,000

To: Zoology - Special Equipment

From: Office of the Dean of Natural Sciences - Special Equipment

Funds were transferred to aid in the purchase of a Visual Computer for the department of Zoology.
(RBC# 2024)

COLLEGE OF BUSINESS ADMINISTRATIONFinanceAppointmentLecturer

39. George D. Gibbs, Jr. (Non-tenure) 1/16 - 5/31 33 9 15,000
(RBC# 2018)

SCHOOL OF COMMUNICATIONOffice of the DeanTransfer of Funds

40. Amount of Transfer - \$375

To: Office of the Dean of Communication - Reserve for Faculty Salaries

From: Speech - Faculty Salaries

To return funds to the Dean's Reserve for Faculty Salaries.
(RBC# 2083)

<u>Item, Department, Title, Name</u>	<u>Period Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SCHOOL OF COMMUNICATION</u>				
<u>Office of the Dean (continued)</u>				
Transfer of Funds				
41. Amount of Transfer - \$200				
To: Office of the Dean of Communication - Maintenance, Operation, and Equipment				
From: Journalism - Maintenance, Operation, and Equipment (\$100)				
Speech - Maintenance, Operation, and Equipment (\$100)				
To cover partial expense of School of Communication showcase exhibit and cost of preparation of multimedia slides for use in programs. (RBC# 2154, 2084)				

COLLEGE OF EDUCATIONCurriculum and Instruction

Transfer of Funds

42. Amount of Transfer - \$2,000

To: Curriculum and Instruction - Maintenance and Operation

From: Office of the Dean of Education - Maintenance and Operation

 Additional funds were needed for college-wide costs of the Department.
(RBC# 2082)Educational Administration

Appointment

Assistant Professor

43. Norvell W. Northcutt (Non-tenure)	9/15 - 5/31	--	--	---
Concurrent Employment:				
Extension Teaching and Field Service Bureau				
Project Administrator	9/15 - 6/30	100	12	\$ 20,000
(RBC# 2103)				

Special Education

Appointment

44. John A. McLaughlin (Non-tenure)

General Budget Funds:

Assistant Professor	9/1 - 5/31	--	9	(12,000)
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Office of Education Contract Funds for Special Education Instructional Materials

Center:

Research Director (Faculty)	9/1 - 8/31	100	12	16,000
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(RBC# 627, 2008)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF ENGINEERING</u>				
<u>Office of the Dean</u>				
Appointment				
Associate Dean for Advanced Programs				
45. Lymon C. Reese (Tenure)	3/15 - 8/31	---	--	---
Concurrent Employment:				
Office of the Dean-College of Engineering and Center for Highway Research				
Research Engineer (Faculty)	1/16 - 5/31	67	9	\$ 25,200
	6/1 - 8/31	100		
Civil Engineering				
Professor	1/16 - 5/31	33	9	25,200
(RBC# 2037)				
Transfer Between Dissimilar Appropriations				
46. Amount of Transfer - \$400				
To: Visiting Lecturers and Consultants				
From: Travel				
Funds were needed to cover the expense of additional visiting lecturers for the Teaching Effectiveness programs.				
(RBC# 2107)				
<u>Civil Engineering</u>				
Appointment				
Instructor				
47. John J. Panak (Non-tenure)	1/16 - 5/31	25	9	11,250
Concurrent Employment:				
Center for Highway Research				
Research Engineer Associate IV	10/1 - 1/31	75	12	14,400
	2/1 - 8/31	75	12	15,000
(RBC# 2088)				
Instructor				
48. Francis L. Endres (Non-tenure)	1/16 - 5/31	50	9	9,000
(RBC# 2047)				
Transfer Between Dissimilar Appropriations				
49. Amount of Transfer - \$78				
To: Teaching Assistants				
From: Wages				
To provide the additional funds needed for appointment of a teaching assistant for the Spring Semester.				
(RBC# 2134)				
<u>Civil Engineering - Architectural Engineering Division</u>				
Interdepartmental Transfer				
50. Amount of Transfer - \$125				
To: Civil Engineering - Architectural Engineering Division - Wages				
From: Civil Engineering - Wages				
Additional funds were needed for graders.				
(RBC# 2071)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF ENGINEERING (Continued)</u>				
<u>Electrical Engineering</u>				
Transfer Between Dissimilar Appropriations				
51. Amount of Transfer - \$564				
To: Classified Personnel				
From: Maintenance, Operation, and Equipment				
Funds were needed to pay the salary of a secretary for the remainder of the fiscal year.				
(RBC# 2020)				
<u>Mechanical Engineering</u>				
Appointment				
Instructor				
52. John H. Vanston, Jr. (Non-tenure)	1/16 - 5/31	25	9	\$ 9,000
(RBC# 2049)				
<u>Mechanical Engineering - Nuclear Reactor Teaching Laboratory</u>				
Transfer Between Dissimilar Appropriations				
53. Amount of Transfer - \$1,292				
To: Classified Personnel				
From: Administrative and Professional Salaries				
Funds are needed to employ a Nuclear Technical Specialist II for the summer.				
(RBC# 2025)				
<u>COLLEGE OF FINE ARTS</u>				
<u>Student Opera Productions</u>				
Transfer of Funds				
54. Amount of Transfer - \$3,517				
To: Student Opera Productions				
From: Unallocated Maintenance and Operation				
To return to Student Opera Productions an amount equal to the ticket sales of two productions. These funds were deposited to General Budget Income but are needed now in the departmental maintenance and operation account to defray expenses incurred in these presentations.				
(RBC# 2135)				
<u>Art - Art Teaching Gallery</u>				
Appointment				
Art Curator				
55. Miguel Celorio	3/1 - 6/30	100	12	18,000
(RBC# 1997, 2101)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF FINE ARTS</u>				
<u>Art - Art Teaching Gallery (Continued)</u>				
Transfer Between Dissimilar Appropriations				
56. Amount of Transfer - \$7,202				
To: Wages				
From: Administrative and Professional Salaries				
Transfer funds to the wages account to pay student assistants to install exhibitions in the Art Museum and provide for other part-time help needed.				
(RBC# 2081)				
<u>SCHOOL OF LAW</u>				
Transfer of Funds				
57. Amount of Transfer - \$1,500				
To: School of Law - Maintenance and Operation				
From: Unallocated Maintenance and Operation				
Transfer funds to provide for the School's operational needs for the remainder of the fiscal year.				
(RBC# 2073)				
Transfer of Funds				
58. Amount of Transfer - \$1,000				
To: School of Law - Visiting Lecturers and Consultants				
From: Unallocated Classified Salaries				
To provide stipends for visiting lecturers.				
(RBC# 2136)				
Transfer Between Dissimilar Appropriations				
59. Amount of Transfer - \$1,500				
To: Maintenance, Operation, and Equipment				
From: Classified Personnel				
To provide funds to permit operation for the remainder of the fiscal year.				
(RBC# 2153)				
<u>GRADUATE SCHOOL OF SOCIAL WORK</u>				
Transfer Between Dissimilar Appropriations				
60. Amount of Transfer - \$3,000				
To: Maintenance, Operation, and Equipment				
From: Travel				
Reallocation of funds to provide for increased operational expenses.				
(RBC# 2112)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>OFFICE OF OCCUPATIONAL SAFETY</u>				
Transfer Between Dissimilar Appropriations				
61. Amount of Transfer - \$500				
To: Travel				
From: Equipment				
To provide funds for additional travel expenses. (RBC# 2109)				
<u>ORGANIZED RESEARCH</u>				
<u>Center for Mexican-American Studies</u>				
Transfer of Funds				
62. Amount of Transfer - \$210				
To: Center for Mexican-American Studies - Visiting Lecturers and Consultants				
From: Unallocated Visiting Lecturers and Consultants				
To provide funds for an additional consultant. (RBC# 2132)				
<u>Center for Relativity Theory</u>				
Appointment				
Research Scientist (Faculty)				
63. Jurgen L. Ehlers (Tenured)	2/14 - 3/31	100	9	\$ 27,000
Sources of Funds: Transfers from the Center's Visiting Lecturers and Consultants Account. (RBC# 2030, 1985, 2131)				
<u>Center for Statistical Mechanics and Thermodynamics</u>				
Appointment				
Research Scientist (Faculty)				
64. Leon J. Rosenfeld (Non-tenured)	2/1 - 3/31	100	12	36,000
Source of Funds: NSF- University Science Development Program				
	2/1 - 2/29			
General Budget Funds				
	3/1 - 3/31			
(RBC# 2001, 2019)				
<u>Bureau of Economic Geology</u>				
Transfer Between Dissimilar Appropriations				
65. Amount of Transfer - \$1,100				
To: Administrative and Professional Salaries				
From: Wages				
To cover the appointment of Dr. Ronald K. DeFord as Consultant for the period June 1 through August 31, 1972. (RBC# 1811)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Laboratory for Computer-Assisted Instruction</u>				
Reappointment and Change of Status				
66. Wilson Judd (Non-tenure)				
To: Research Scientist (Faculty) NSF Grant Funds	9/1 - 3/31	50	9	\$ 12,000
Co-Director of CAI Laboratory	4/1 - 5/31	50	9	12,000
From: Research Scientist (Faculty) NSF Grant Funds	9/1 - 2/15 2/16 - 2/29	50 50	9	12,000
Concurrent Employment: Educational Psychology Assistant Professor (RBC# 1998, 1902, 2144, 2031)	9/1 - 5/31	50	9	12,000
<u>Research in Texas History</u>				
Transfer of Funds				
67. Amount of Transfer - \$1,000				
To: Research in Texas History - Maintenance and Operation				
From: Unallocated Maintenance and Operation				
Additional operational funds were needed for the remainder of the fiscal year. (RBC# 2074)				
<u>DIVISION OF EXTENSION</u>				
<u>Extension Teaching and Field Service Bureau</u>				
Appointment				
Instructor				
68. Bertha Y. Zamarripa (Non-tenure) (RBC# 2009)	3/13 - 8/31	100	12	9,600
Instructor				
69. Deborah S. D. Newman (Non-tenure) (RBC# 2140)	4/1 - 8/31	100	12	7,200
Instructor				
70. Eva J. O. Caine (Non-tenure) (RBC# 2048)	3/13 - 8/31	100	12	9,600
Change of Status				
Instructor				
71. Maria Q. Leal (Non-tenure)				
To:	9/1 - 3/19 3/20 - 8/31	50 75	12	7,200
From: (RBC# 2064)	9/1 - 8/31	50	12	7,200

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>DIVISION OF EXTENSION</u>				
<u>Extension Teaching and Field Service Bureau</u>				
Resignation				
Instructor				
72. Bonnie J. L. Pura (Non-tenure)	9/1 - 8/31	100	12	\$ 8,500
Date of Resignation (RBC# 2013)	3/8/72			
Instructor				
73. Leland M. Mackey (Non-tenure)	11/8 - 8/31	35	12	7,200
Date of Resignation (RBC# 2145)	3/31/72			
<u>Industrial and Business Training Bureau</u>				
Transfer Between Dissimilar Appropriations				
74. Amount of Transfer - \$10,440				
To: Part-time Salaries, Conferences, Etc.				
From: Salaries				
To provide funds in the Part-time Salaries and Conferences account to cover meetings scheduled for the remainder of the fiscal year. (RBC# 2129)				
<u>PHYSICAL PLANT</u>				
<u>Office of the Superintendent of Utilities and Buildings</u>				
Transfer of Funds				
75. Amount of Transfer - \$7,000				
To: Office of Superintendent of Utilities-Buildings - Wages				
From: Office of Superintendent of Utilities-Buildings - Classified Personnel (\$1,000)				
Building Maintenance-Utilities - Classified Personnel (\$6,000)				
Funds were needed to cover present and anticipated expenditures for the remainder of the fiscal year. (RBC# 2162)				
<u>Balcones Research Center</u>				
Interdepartmental Transfer				
76. Amount of Transfer - \$288				
To: Administration - Wages (\$38)				
Administration - Salaries (\$250)				
From: Grounds Maintenance - Salaries				
Reallocation of the Center's Physical Plant funds to provide for temporary clerical help and a merit increase of a member of the regular staff. (RBC# 2017)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

PHYSICAL PLANT (Continued)Port Aransas Marine Institute

Transfer of Funds

77. Amount of Transfer - \$1,500

To: Port Aransas Marine Institute - Maintenance, Operation, and Equipment
 From: Construction and Maintenance - Maintenance, Operation, and Equipment
 To supplement the Port Aransas Marine Institute maintenance, operation, and equipment account to enable it to meet its operational needs for the remainder of the fiscal year.
 (RBC# 2160)

Communications and Projections

Interdepartmental Transfer

78. Amount of Transfer - \$9,000

To: Communications and Projections - Wages
 From: Communications and Projections - Classified Personnel (\$1,500)
 Building Maintenance-Utilities - Classified Personnel (\$7,500)
 Funds are needed to cover anticipated expenditures for the remainder of the fiscal year.
 (RBC# 2161)

Custodial Services

Transfer of Funds

79. Amount of Transfer - \$10,000

To: Custodial Services - Maintenance and Operation
 From: Custodial Services - Wages (\$5,000)
 Transportation - Maintenance and Operation (\$5,000)
 Reallocation of Physical Plant funds to provide funding where needed.
 (RBC# 2015, 2016)

UNALLOCATED

Transfer of Funds

80. Amount of Transfer - \$25,000

To: Unallocated Classified Salaries
 From: Unallocated Faculty Salaries
 Transfer funds to provide for additional Classified Salaries for the remainder of the fiscal year.
 (RBC# 2141)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ACADEMIC DEVELOPMENT PROGRAM</u>				
<u>School of Architecture</u>				
Transfer of Funds				
81. Amount of Transfer - \$200				
To: School of Architecture - Academic Development Fund				
From: Academic Development Fund Allotment Account				
To support the Hearing on Urbanization and Human Settlements in preparation for the U. N. Conference on Human Environment. (RBC# 2108)				
<u>SPONSORED PROJECTS</u>				
<u>Economics</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
82. David A. Kendrick (Tenured)	2/1 - 8/31	25	9	\$ 21,100
Source of Funds: NSF Grant				
Concurrent Employment:				
Economics				
Professor (RBC# 2032)	1/16 - 5/31	75	9	21,100
<u>Psychology</u>				
Appointment				
Research Scientist (Faculty)				
83. Arnold Buss (Tenured)	6/1 - 6/30	100	9	24,500
Source of Funds: USPHS Contract				
Academic Status: Psychology (Professor) (RBC# 2028)				
<u>Center for Asian Studies</u>				
Appointment				
Instructor				
84. Narayanan S. Menon (Non-tenured)	3/1 - 5/31	12.5		
Source of Funds: U.S. Office of Education Contract				
Concurrent Employment:				
Physics				
Instructor (1971-72 Only) (RBC# 2038)	1/16 - 5/31	50	9,000	2,000

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Civil Engineering - Meteorology</u>				
Appointment				
85. Research Engineer (Faculty) Kenneth H. Jehn (Tenured)	6/1 - 7/31	100	9	\$ 15,700
Source of Funds: NSF Grant				
Academic Status: Civil Engineering - Meteorology (Associate Professor) (RBC# 2041)				
<u>School of Law</u>				
Appointment				
86. Visiting Professor George E. Dix (Non-tenured)	6/1 - 8/31	100	<u>Academic Rate</u> \$ 18,000	<u>Stipend</u> \$ 4,500
Source of Funds: Texas Criminal Justice Council Grant (RBC# 2004)				
87. Professor Robert O. Dawson (Tenured)	6/1 - 8/31	100	<u>Academic Rate</u> \$ 23,000	<u>Stipend</u> \$ 4,500
Source of Funds: Texas Criminal Justice Council Grant (RBC# 2003)				
88. Professor Albert W. Alschuler (Tenured)	7/16 - 8/31	100	<u>Academic Rate</u> \$ 20,000	<u>Stipend</u> \$ 1,500
Source of Funds: Texas Criminal Justice Council Grant (RBC# 2005)				
<u>Graduate School of Social Work</u>				
Reappointment				
89. Assistant Professor Victor M. Ehlers (Non-tenured)	4/1 - 5/31	100	9	14,400
Previous appointment was at the same rate.				
Source of Funds: US-DHEW Contract (RBC# 2100)				
<u>Bureau of Engineering Research</u>				
Appointment				
90. Research Engineer (Faculty) Eric B. Becker (Non-tenured)	1/16 - 5/31	33	9	13,800
Source of Funds: Texas Atomic Energy Research Foundation Funds				
Concurrent Employment: Aerospace Engineering and Engineering Mechanics Assistant Professor (RBC# 2029)				
	1/16 - 5/31	67	9	13,800

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS</u>				
<u>Bureau of Engineering Research (Continued)</u>				
Reappointment and Change of Status				
Research Scientist (Faculty)				
91. Philip F. Little (Tenured)				
To:	9/1 - 4/30	100	9	\$ 18,500
	5/1 - 8/31	50		
From:	9/1 - 4/30	100	9	18,500
	5/1 - 5/31	50		
Source of Funds:				
Texas Atomic Energy				
Research Foundation				
Academic Status:				
Physics				
(Professor)				
(RBC# 2150)				
Reappointment				
Research Programmer Manager				
92. James B. Greene	5/1 - 8/31	100	12	18,000
Source of Funds:				
Texas Atomic Energy				
Research Foundation				
Previous appointments were at the same rate.				
(RBC# 2149)				
Research Engineer (Faculty)				
93. William E. Drummond (Tenured)	5/1 - 8/31	50	9	32,000
Source of Funds:				
Texas Atomic Energy				
Research Foundation				
Previous appointment was at the same rate.				
Concurrent Employment:				
Physics				
Professor	9/1 - 5/31	50	9	32,000
Center for Plasma Physics and Thermonuclear Research				
Research Scientist (Faculty)	6/1 - 8/31	50	9	32,000
(RBC# 2148)				
<u>Center for Highway Research</u>				
Appointment				
Research Engineer (Faculty)				
94. A. Anthony Toprac (Tenured)	1/11 - 1/15	100	9	18,500
	1/16 - 5/31	33	9	18,500
Concurrent Employment:				
Civil Engineering				
Professor	1/16 - 5/31	67	9	18,500
(RBC# 2034, 2035)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Electronics Research Center</u>				
Reappointment				
Research Engineer and Assistant Director of Electronics Research Center				
95. Otto M. Friedrich, Jr.	4/1 - 8/31	50	12	\$ 18,600
Source of Funds: U.S. Air Force Contract				
Previous appointments were at the same rate.				
Concurrent Employment: Bureau of Engineering Research Research Engineer (RBC# 2102)				
	1/1 - 8/31	50	12	18,600
<u>Laboratory for Computer-Assisted Instruction</u>				
Reappointment				
Assistant Director				
96. M. Rex Arnett				
To:	2/16 - 4/30	100	12	18,000
	5/1 - 8/31	50		
From:	2/16 - 5/31	100	12	18,600
Source of Funds: MITRE Contract				
Previous appointments were at the same rate. (RBC# 2156)				
Co-Director of CAI Laboratory				
97. Harold F. O'Neil, Jr. (Non-tenured)	4/1 - 5/15	50	9	13,500
Source of Funds: NSF Grant				
Previous appointments were at the same rate.				
Concurrent Employment: Educational Psychology Assistant Professor (RBC# 2143, 2033)				
	9/1 - 5/31	50	9	13,500
<u>AUXILIARY ENTERPRISES</u>				
<u>Intercollegiate Athletics</u>				
Resignation				
Team Physician				
98. Joe R. Reneau (Non-tenured)	9/1 - 5/31	59	9	<u>Stipend</u> \$ 8,000
Date of Resignation	3/31/72			
Concurrent Employment: Physical and Health Education Lecturer (RBC# 2104)				
	1/16 - 5/31	25	9	11,000

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

AUXILIARY ENTERPRISES (Continued)Student Health Center

Appointment

Physician, Specialist, Gynecology

99. J. William Hearn (RBC# 2036)	3/1 - 8/31	50	12	\$ 24,000
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Transfer Between Dissimilar

Appropriations

100. Amount of Transfer - \$65,000

To: Other Operating Expenses (\$40,000)
Major Improvements and Repairs (\$25,000)

From: Salaries

This transfer will provide funds for employment of outside physicians on a fee basis primarily to insure around-the-clock coverage at the Health Center, and to provide for necessary repairs and replacements within the Health Center building. Funds are available in the Salaries account for this transfer from positions not filled because of non-availability of qualified personnel and/or employment of part-time, hourly-paid personnel.

(RBC# 2090, 2093)

Taylor "T" Room

Transfer of Funds

101. Amount of Transfer - \$1,300

To: Taylor "T" Room

From: Special Concessions - Unallocated Projects

To provide the funds necessary to continue operation for the remainder of this fiscal year.

(RBC# 2059)

CURRENT RESTRICTED FUNDSArt Teaching Gallery

Transfer of Funds

102. Amount of Transfer - \$26,000

To: Art Teaching Gallery - Archer M. Huntington Museum Fund

From: Huntington Museum Fund Income Account

A review of the income of the Huntington account shows that funds are available to increase the annual appropriation of \$50,000 for the 1971-72 fiscal year by \$26,000, making a total of \$76,000 available for the University Art Museum use and expenditure for the fiscal year 1971-72.

Increases in requests for operating costs are based upon escalation of handling and transportation expenses, growing difficulties of acquiring worthwhile exhibition materials, and insurance costs that reflect growing liability costs resulting from experience rating of American museums annually.

(RBC# 2058)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

CURRENT RESTRICTED FUNDS (Continued)Drama

Transfer of Funds

103. Amount of Transfer - \$500

To: Drama Faculty Travel Fund

From: Drama - Various Donors Various Programs

To provide additional funds needed for departmental travel during the remainder of this fiscal year.
(RBC# 2072)

Music Touring and Travel (Current Restricted and Auxiliary Enterprises Accounts)

Transfer of Funds

104. Amount of Transfer - \$1,750

To: Music Touring and Travel

From: Vice-President for Student Affairs - Special Concessions (\$250)
Music Contests and Camps (\$1,500)

To assist with expenses incurred when the U.T. Jazz Ensemble attended a festival in Mobile, and to provide additional funds needed for travel expenses of Music department groups.
(RBC# 2098, 2122)

1971-72 SUMMER SESSION

Transfer of Funds

105. Amount of Transfer - \$18,411

To: Summer Session

From: College of Engineering: (\$11,785)
Office of the Dean - Reserve for Faculty Salaries (\$5,862)
Civil Engineering - Meteorology - Teaching Assistants (\$500)
Civil Engineering - Teaching Assistants (\$4,000)
Mechanical Engineering - Faculty Salaries (\$1,423)
Lyndon B. Johnson School of Public Affairs (\$12,549)

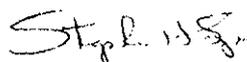
To report transfers made as reflected on the summary page of the 1972 Summer Session Budget which was approved at the April 29, 1972 meeting of the Board of Regents.
(RBC# 2050, 2051, 2052, 2053, 2209)

1971-72 BUDGET
SALARY RATE INCREASES OF \$2,000 OR MORE INVOLVING APPOINTMENTS
TO A DIFFERENT POSITION AND NEW AND DIFFERENT DUTIES

Source of Funds: Departmental Salaries unless otherwise specified.

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
1.	Luz M. Garcia Student Financial Aids	Senior Administrative Clerk	Student Development Specialist II	
	Salary Rate (RBC# 2012)	\$ 5,784	\$ 7,800	3/1/72
2.	J. Selmon Holland, Jr. Port Aransas Marine Science Institute Center for Research in Water Resources	Research Scientist Associate III	Research Scientist Associate IV Research Scientist Associate IV	
	Salary Rate	\$ 11,400	\$ 13,800	4/1/72
	Source of Funds: Interagency Contract Funds (RBC# 2119, 2120)			
3.	Sung K. Park Electrical Engineering	Research Engineer Associate III	Research Engineer Associate V	
	Salary Rate	\$ 10,920	\$ 14,400	2/1/72
	Sources of Funds: U.S. Air Force Contracts (RBC# 2061, 2062)			
4.	Elsbeth D. Rostow (Tenure) Government	Associate Professor	Associate Professor and Chairman of Comparative Studies	
	Academic Rate	\$ 15,500	\$ 17,500	3/1/72
	Source of Funds: Transfer from Comparative Studies Faculty Salaries (RBC# 2046, 1986)			

Sincerely yours,



Stephen H. Spurr
President

THE UNIVERSITY OF TEXAS AT EL PASO
El Paso, Texas

May 12, 1972

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin on June 9, 1972:

BUSINESS CONTRACT ITEMS

I recommend ratification of the following contracts and contract amendments:

1. Amendment to the contract with Boys Concession for concession sales rights for athletic and similar events on the campus of The University of Texas at El Paso to make the concession effective for a period of five years beginning September 1, 1970 and ending August 31, 1975. The original contract stipulated that the contract would end August 31, 1973. All other terms of the contract will remain unchanged.

2. Contract with G C Services Corporation, Houston, Texas, whereby this company will undertake the collection of unpaid accounts that The University of Texas at El Paso decides to place with it for collection. The accounts placed for collection will be delinquent student loans. The University agrees to pay 33 1/3 % of the amount collected. The contract is dated April 20, 1972 and is for a period of one year and shall continue for additional one-year periods until termination by written notice from either party to the other at least ninety days in advance of the termination of any one-year period.

LABORATORY FEES

I recommend approval of the following laboratory fees effective for the year beginning September 1, 1972.

<u>Course</u>	<u>Recommended Fee</u>
Biology 3105	\$6.00
3106	6.00
4211	6.00
3214	6.00
3216	6.00
3318	6.00
3422	6.00
6425 (Fee varies according to where course is based)	
Microbiology 3240	6.00
3343	8.00
3345	6.00
2347	8.00
2449	8.00
3451	6.00
3453	8.00
3455	6.00
Plant Sciences 3230	4.00
3333	4.00
3335	4.00
2337	4.00
Zoology 2264	4.00
3366	4.00
2368	4.00
3470	6.00
2472	6.00
3474	8.00
3476	6.00
3478	4.00
3480	6.00

GOVERNMENT CONTRACTS AND GRANTS

The following contracts, grants, and amendments have been negotiated and have been signed by me upon the recommendation of the directors of the projects. I recommend your approval and ratification of the signatures.

1. Contract No. V349V-2149, dated February 1, 1972, whereby the Adjudication Officer, V. A. Regional Office, 1400 North Valley Mills Drive, Waco, Texas 76710, agrees to pay not in excess of \$3.00 per hour for private individual reading services and special assistance to handicapped veterans during the period February 1, 1972 through January 31, 1973.
2. Order No. DABE32-72-D-3663, dated March 10, 1972, to Basic Agreement No. DABDO7-71-A-0002, whereby the Contracting Officer, USAADCENFB, Fort Bliss, Texas 79916, authorizes the enrollment of 36 students for 210 credit hours during the Spring Semester 1972 for a total obligation of \$1,300.50.
3. Modification No. M02, dated January 24, 1972, to Contract No. F2965172-C-0119, whereby the Contracting Officer, Procurement Division, P. O. Box 393, Holloman Air Force Base, New Mexico 88330, increases the amount of the contract by 60 semester hours at \$11.25 per semester hour. This results in an increase of \$675.00 to the contract.
4. Contract No. V349V-2075, dated April 1, 1972, whereby the Director, V. A. Regional Office, Waco, Texas 76710, awards \$34,092.29 for counseling and related services during the period from April 1, 1972 through March 31, 1973.
5. Delivery Order No. 0584(DO#5), dated March 30, 1972, to Educational Services Agreement No. DABE34-72-A-0371, whereby the Contracting Officer, Procurement Division, DIO, Fort Sam Houston, Texas 78234, authorizes the enrollment of two students for the Spring and First Summer Session 1972, at an estimated cost of \$377.00.
6. Amendment #3, dated April 3, 1972, to Grant No. OEG-0-71-0547 (715), whereby the Chief, Educational Personnel Development Branch, Office of Education, Washington, D. C. 20202, extends the grant period to August 13, 1972, for the intervening summer program and awards \$63,939.00 to the grant.
7. Educational Service Agreement No. F33600-72-C-0465, dated April 6, 1972, whereby the Contracting Officer, 2750 ABWg/PMA, Wright-Patterson Air Force Base, Ohio 45433, enters into an agreement for educational services to designated government personnel from June 1, 1972, until termination of the contract. The estimated annual cost is \$10,000.00.
8. Order No. DO-7, Basic Agreement No. DAADO7-67-C-0362, whereby the Contracting Officer, Procurement, White Sands Missile Range, New Mexico 88002, authorizes the enrollment of three students for an estimated 13 credit hours during the Spring and First Summer Session 1972, at a maximum total obligation of \$200.00.
9. Amendment #4, dated April 17, 1972, to Grant No. OEG-0-71-0547 (715), whereby the Contracting Officer, Contracts and Grants Division, Office of Education, Washington, D. C. 20202, adds a volunteer component to the Teacher Corps program to permit community participation. A total of \$9,782.00 is added to the budget for the period from April 4, 1972 through May 26, 1972.
10. Head Start Amendment No. 1, dated March 23, 1972, to Contract No. 608, whereby the Director, Supplementary Training Associates, 4301 Connecticut Avenue, NW, Washington, D. C., awards an additional \$1,500.00 to provide extended counseling and tutoring services for Chicano trainees. The termination date of the contract is extended from May 31, 1972 through July 31, 1972, and the maximum cost of the contract is changed to \$30,419.00.
11. Contract No. OEC-6-72-0734-(509), dated April 27, 1972, whereby the Contracting Officer, Office of Education, Washington, D. C. 20202, awards \$9,134.00 as the federal share in support of a program titled "The Southwestern Schools Study: The Mexican American" during the period from April 1, 1972 through March 30, 1973.

GOVERNMENT CONTRACTS AND GRANTS (Continued)

12. Delivery Order No. 0653(ROTC-4), dated April 28, 1972, to Educational Service Agreement No. DABE34-72-A-0371, whereby the Contracting Officer, Procurement Division, DIO, Fort Sam Houston, Texas 78234, authorizes the enrollment of one student during the First Summer 1972 session for a total estimated obligation of \$56.00.

13. Letter Agreement, dated March 29, 1972, whereby the Executive Director, West Texas Council of Governments, 1019 Southwest Center Building, El Paso, Texas 79901, agrees to an extension of our contract for a Socio-Economic Study at no increase in funding and establishes the new accomplishment date to be June 15, 1972.

NON-GOVERNMENT CONTRACTS AND GRANTS

I recommend ratification of the following non-government contracts and grants:

1. Letter award dated May 28, 1970, whereby the Vice President-Grants, Research Corporation, 405 Lexington Avenue, New York, New York 10017, awards \$4,500.00 as a Frederick Gardner Cottrell grant-in-aid of a research program titled "Heterolytic Substitution Reactions of Benzenoid Hydrocarbons and Derivatives in their Excited States" for a 12-month period to begin approximately June 1, 1970.

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET

The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget are based on budget rates, all payrolls are processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

EDUCATIONAL AND GENERALGENERAL ADMINISTRATION AND STUDENT SERVICESOffice of the Vice President for Academic Affairs

1. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$4,400.00
To: Maintenance, Operation and Equipment	4,400.00
For: To provide funds to furnish a suite of offices in the Administration Building for the Vice President for Academic Affairs. The work consisted of the installation of carpeting and drapes at a cost of \$1,542.00 and the installation of furniture at a cost of \$2,858.00. (RBC 305)	

Office of the Business Manager

2. Transfer the salary of Sharon S. Nicholson, Senior Clerk, in the Office of the Business Manager from The Union to the Educational and General Budget effective April 1, 1972, at her annual rate of \$4,200.00. (RBC 324)

Office of the Director of Admissions and Operations

3. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$5,847.00
To: Maintenance, Operation and Equipment	5,847.00
For: To provide funds to furnish a suite of offices in the Administration Annex for the Director of Admissions and Operations. The work consisted of the installation of carpeting and drapes at a cost of \$2,577.00 and the installation of furniture at a cost of \$3,270.00. (RBC 306)	

Office of the Registrar

4. Transfer of Funds:

From: Wages	\$2,000.00
To: Maintenance and Operation	2,000.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 291)	

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (Continued)
EDUCATIONAL AND GENERAL (Continued)
GENERAL ADMINISTRATION AND STUDENT SERVICES (Continued)
Office of the Registrar (Continued)

5. Transfer of Funds:

From: Wages	\$4,000.00
To: Maintenance and Operation	4,000.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 321)	

Office of the Director of Admissions and Operations and Office of the Registrar

6. Transfer of Funds:

From: Office of the Director of Admissions and Operations (Maintenance and Operation)	\$7,000
To: Maintenance and Operation - Office of the Registrar	7,000
For: Transfer between departmental similar appropriations. When the appropriations for the Office of the Registrar were split to provide a budget for the new Office of the Director of Admissions and Operations, more of the Maintenance and Operation appropriation was transferred to the new office than was needed. (RBC 292)	

Office of the Vice President for Student Affairs

7. Appoint Deborah C. Hughes as Secretary effective March 27 through August 31, 1972, at an annual rate of \$4,200.00 with the necessary funds in the amount of \$1,806.45 to come from Unallocated Salaries. (RBC 333)

Student Activities

8. Transfer of Funds:

From: Unallocated Salaries	\$17,902.00
Unallocated Maintenance and Operation	3,500.00
To: Student Activities	21,402.00
For: To transfer, effective March 31, 1972, the operation of the Office of the Director of Student Activities from The Union to the Educational and General budget and set up the budget as follows: (RBC 319)	
Administrative and Professional Salaries	\$12,500.00
Classified Salaries	4,552.00
Wages	850.00
Maintenance and Operation	3,000.00
Travel	500.00

Personnel Office

9. Change the status of Margaret M. Kerley from Office Supervisor to Personnel Assistant effective April 1, 1972, and adjust her annual rate from \$5,028.00 to \$6,468.00 with the necessary funds in the amount of \$600.00 to come from Unallocated Salaries. (RBC 342)

10. Appoint Paula A. Smith as Office Supervisor effective May 1 through August 31, 1972, at an annual rate of \$4,800.00 with the necessary funds in the amount of \$1,600.00 to come from Unallocated Salaries. (RBC 343)

GENERAL INSTITUTIONAL EXPENSE

Miscellaneous General Expense

11. Item pending.

RESIDENT INSTRUCTION

SCHOOL OF BUSINESS ADMINISTRATION

Business

12. Lapse the unfilled appropriation for Instructors, Part-time in the amount of \$1,375.00 to Unallocated Salaries. (RBC 310)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (Continued)EDUCATIONAL AND GENERAL (Continued)RESIDENT INSTRUCTION (Continued)SCHOOL OF EDUCATIONCurriculum and Instruction

13. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$64.81 to Unallocated Salaries. (RBC 310)

14. Appoint Angela J. Schroder (non-tenure) as Instructor (3/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at a full-time nine-months rate of \$7,500.00 with the necessary funds in the amount of \$2,813.00 to come from Unallocated Salaries. (RBC 328)

15. Change the status of Oscar T. Jarvis (tenure) from Professor (3/4 Time) to Professor (Full-time) effective April 5, 1972 for the remainder of the 1972 Spring Semester, at his nine-months rate of \$17,700.00 with the necessary funds in the amount of \$917.59 to come from Unallocated Salaries. (RBC 335)

Educational Psychology and Guidance

16. Reappoint Guy B. McNiel (non-tenure) as Professor (Visiting) (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at his full-time nine-months rate of \$13,200.00 with the necessary funds in the amount of \$1,650.00 to come from the appropriation for Teaching Assistants in the amount of \$1,123.00 and from Unallocated Salaries in the amount of \$527.00. (RBC 329)

Educational Administration

17. Change the status of Thomas A. Arciniega (non-tenure) from Associate Professor (3/4 Time) to Associate Professor (Full-time) effective March 6, 1972 for the remainder of the 1972 Spring Semester, at his nine-months rate of \$14,000.00 with the necessary funds in the amount of \$1,097.69 to come from Unallocated Salaries. (RBC 318)

Office of the Dean - School of Education

18. Appoint Oscar T. Jarvis as Dean, Ad Interim (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, and Dean, Ad Interim (1/2 Time) for the period June 1 through August 31, 1972, at his full-time nine-months rate of \$17,700.00 with the necessary funds in the amount of \$5,162.00 to come from Unallocated Salaries. He will also serve as Professor (3/4 Time) in the Department of Curriculum and Instruction. (RBC 327)

19. Accept the resignation of Oscar T. Jarvis, Dean, Ad Interim effective April 4, 1972, and lapse to Unallocated Salaries \$3,867.59 budgeted for this position. He will serve as Professor (Full-time) in the Department of Curriculum and Instruction. (RBC 334)

SCHOOL OF ENGINEERINGCivil Engineering

20. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$88.00 to Unallocated Salaries. (RBC 310)

Metallurgical Engineering

21. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$3,379.76 to Unallocated Salaries. (RBC 310)

SCHOOL OF LIBERAL ARTSArt

22. Lapse the unfilled appropriation for Instructors, Part-time in the amount of \$350.00 to Unallocated Salaries. (RBC 310)

Drama and Speech

23. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$1,300.00
To: Maintenance and Operation	1,300.00
For: To provide funds to replace a portable audiometer, phonic mirror, and a dictaphone that was stolen from the Speech and Hearing Center.	(RBC 336)

English

24. Change the status of Rhoda F. Milnarich (non-tenure) from Instructor (1/4 Time) to Instructor (1/2 Time) effective January 16, 1972 for the 1972 Spring Semester, at her full-time nine-months rate of \$8,200.00 with the necessary funds in the amount of \$1,025.00 to come from Unallocated Salaries. (RBC 331)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (Continued)EDUCATIONAL AND GENERAL (Continued)RESIDENT INSTRUCTION (Continued)SCHOOL OF LIBERAL ARTS (Continued)History

25. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$185.00 to Unallocated Salaries. (RBC 310)

Linguistics

26. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$4,700.00 to Unallocated Salaries. (RBC 310)

Mass Communication

27. Appoint Louis H. Valles as Operations Manager, Radio Station KTEP effective May 1 through August 31, 1972, at his annual rate of \$6,780.00 with the necessary funds in the amount of \$2,260.00 to come from Unallocated Salaries. (RBC 312)

28. Appoint Lawrence A. Bengert (non-tenure) as Instructor (Part-time) effective March 6, 1972 for the remainder of the 1972 Spring Semester, at a full-time nine-months rate of \$7,200.00 with the necessary funds in the amount of \$600.00 to come from the appropriation for Instructors, Part-time in the amount of \$200.00 and \$400.00 from Unallocated Salaries. (RBC 313)

29. Appoint Arthur H. Leibson (non-tenure) as Instructor (Part-time) effective March 6, 1972 for the remainder of the 1972 Spring Semester, at a full-time nine-months rate of \$8,000.00 with the necessary funds in the amount of \$700.00 to come from Unallocated Salaries. (RBC 314)

30. Appoint Fritz W. Wirt (non-tenure) as Instructor (Part-time) effective March 6, 1972 for the remainder of the 1972 Spring Semester, at a full-time nine-months rate of \$8,000.00 with the necessary funds in the amount of \$700.00 to come from Unallocated Salaries. (RBC 315)

Modern Languages

31. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$3,012.50
To: Maintenance, Operation and Equipment	3,012.50
For: To provide funds for the rehabilitation and upgrading of the Modern Languages Laboratory. (RBC 308)	

32. Accept the resignation of Guadalupe V. Constantakis (non-tenure), Instructor, effective before January 16, 1972, and lapse to Unallocated Salaries \$4,750.00 budgeted for this position. (RBC 316)

Music

33. Lapse the unfilled appropriation for Instructors, Part-time in the amount of \$4,410.00 to Unallocated Salaries. (RBC 310)

Philosophy

34. Transfer of Funds:

From: Wages	\$ 300.00
To: Maintenance and Operation	300.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 337)	

Political Science

35. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$1,650.00 to Unallocated Salaries. (RBC 310)

Psychology

36. Lapse the unfilled appropriation for Instructors, Part-time in the amount of \$2,750.00 to Unallocated Salaries. (RBC 310)

Sociology

37. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$2,933.33
To: Maintenance and Operation	2,933.33
For: To provide funds to replace two typewriters two calculators and an adding machine that were stolen from the Liberal Arts Annex. (RBC 287)	

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (Continued)EDUCATIONAL AND GENERAL (Continued)RESIDENT INSTRUCTION (Continued)SCHOOL OF LIBERAL ARTS (Continued)Sociology (Continued)

38. Lapse the unfilled appropriation for Instructors, Part-time in the amount of \$950.00 to Unallocated Salaries. (RBC 310)

39. Change the status of Frances H. MacDonald (non-tenure) from Instructor (1/2 Time) to Instructor (3/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at her full-time nine-months rate of \$8,000.00 with the necessary funds in the amount of \$1,000.00 to come from Unallocated Salaries. (RBC 330)

SCHOOL OF SCIENCEBiological Sciences

40. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$6,871.00
To: Maintenance and Operation	6,871.00
For: To provide necessary additional funds to take care of heavy enrollment in Medical Technology during the 1971-72 Long Session.	

(RBC 301)

41. Reappoint Robert L. Butcher (non-tenure) as Teaching Assistant (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at his full-time nine-months rate of \$5,000.00 with the necessary funds in the amount of \$625.00 to come from the dissimilar appropriation for Wages. (RBC 338)

Chemistry

42. Lapse the unfilled appropriation for Teaching Assistants in the amount of \$1,716.00 to Unallocated Salaries. (RBC 310)

43. Appoint Ernest W. Loya (non-tenure) as Instructor effective April 14, 1972 for the remainder of the 1972 Spring Semester, at a nine-months rate of \$6,300.00 with the necessary funds in the amount of \$1,096.67 to come from Unallocated Salaries. (RBC 341)

Office of the Coordinator of Science Education for the School of Science

44. Appoint Janice J. Sudderth as Senior Secretary effective March 14 through August 31, 1972, at an annual rate of \$4,800.00, for the purpose of setting up the new budget for this department with the necessary funds in the amount of \$2,232.26 to come from Unallocated Salaries. (RBC 309)

Office of the Dean - School of Science

45. Transfer of Funds:

From: Maintenance and Operation	\$ 8.64
To: Wages	8.64
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively.	

(RBC 290)

OPERATION AND MAINTENANCE OF PHYSICAL PLANTGeneral Services

46. Increase the annual rate of Jimmy D. Gray, Executive Assistant, effective March 1, 1972, from \$7,104.00 to \$7,440.00 with the necessary funds in the amount of \$168.00 to come by transfer between departments from Building Maintenance Salaries. (RBC 304)

47. Reclassify Frances T. Bitticks from Secretary to Senior Secretary effective April 1, 1972, and adjust her annual rate from \$4,800.00 to \$5,028.00 with the necessary funds in the amount of \$95.00 to come by transfer between departments from Building Maintenance Salaries. (RBC 340)

Building Maintenance

48. Transfer of Funds:

From: Classified Salaries	\$6,000.00
To: Maintenance and Operation	6,000.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively.	

(RBC 289)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (Continued)
EDUCATIONAL AND GENERAL (Continued)
OPERATION AND MAINTENANCE OF PHYSICAL PLANT (Continued)
Custodial Services

49. Transfer of Funds:

From: Maintenance and Operation	\$10,000.00
To: General Services - Maintenance and Operation	2,000.00
Building Maintenance - Maintenance and Operation	8,000.00
For: Transfer between departmental similar appropriations to allow the Physical Plant to service its needs more effectively. (RBC 288)	

SPECIAL ITEMS

Museum

50. Transfer of Funds:

From: Wages	\$ 200.00
To: Maintenance and Operation	200.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 325)	

CONTRACT RESEARCH AND SERVICES

HEW Grant OEG-0-71-2634 (453) - Upward Bound - 6th Year

51. Correct the effective date of appointment for Ramon Dominguez, Counselor-Teacher (3/10 Time), from October 1, 1971 to September 1, 1971, at his full-time rate of \$6,000.00 with the necessary additional funds in the amount of \$150.00 to come from budgeted salaries for this grant. (RBC 326)

HEW Grant OEG-0-71-0547-(715) - Teacher Corps Program

52. Accept the resignation of Thomas A. Arciniega, Director (1/4 Time), effective March 5, 1972, and lapse to unencumbered salaries \$1,097.69 budgeted for this position. He will serve as Associate Professor (Full-time) in the Department of Educational Administration. (RBC 317)

53. Appoint Dowell H. Williams as Lecturer effective March 15 through August 31, 1972, at an annual rate of \$13,200.00 with the necessary funds in the amount of \$6,103.23 to come from budgeted salaries for this grant. (RBC 323)

Air Force Contract F41609-72-C-0020 - Effects of Visual Acuity

54. Appoint Dolores R. Salas as Research Assistant effective March 1 through August 31, 1972, and increase her annual rate from \$7,560.00 to \$7,711.00 with the necessary funds in the amount of \$3,855.50 to come from budgeted salaries for this contract. (RBC 293)

55. Appoint Douglas J. McMillan as Research Assistant effective March 1 through August 31, 1972, and increase his annual rate from \$5,400.00 to \$5,508.00 with the necessary funds in the amount of \$2,754.00 to come from budgeted salaries for this contract. (RBC 294)

56. Appoint Charles Link as Research Assistant effective March 1 through August 31, 1972, and increase his annual rate from \$6,600.00 to \$6,732.00 with the necessary funds in the amount of \$3,366.00 to come from budgeted salaries for this contract. (RBC 295)

57. Appoint Paul R. Krausmann as Research Assistant (1/2 Time) effective March 1 through August 31, 1972, and increase his full-time annual rate from \$6,000.00 to \$6,120.00 with the necessary funds in the amount of \$1,530.00 to come from budgeted salaries for this contract. (RBC 296)

58. Appoint Paul V. Garcia as Research Scientist effective March 1 through August 31, 1972, and increase his annual rate from \$10,800.00 to \$11,340.00 with the necessary funds in the amount of \$5,670.00 to come from budgeted salaries for this contract. (RBC 297)

59. Appoint Zane M. Fractor as Research Assistant effective March 1 through August 31, 1972, and increase his annual rate from \$8,400.00 to \$8,568.00 with the necessary funds in the amount of \$4,284.00 to come from budgeted salaries for this contract. (RBC 298)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (Continued)CONTRACT RESEARCH AND SERVICES (Continued)Air Force Contract F41609-72-C-0020 - Effects of Visual Acuity (Continued)

60. Appoint Guy M. Crook II as Assistant Research Scientist effective March 1 through August 31, 1972, and increase his annual rate from \$9,840.00 to \$10,037.00 with the necessary funds in the amount of \$5,018.50 to come from budgeted salaries for this contract. (RBC 299)

HEW Grant OEG-0-714339 - UTEP Special Services Program for Student Assistance

61. Appoint Felipe Peralta as Admissions and Retentions Coordinator effective April 1 through June 30, 1972, at an annual rate of \$10,500.00 with the necessary funds in the amount of \$2,625.00 to come from budgeted salaries for this grant. (RBC 339)

RESTRICTED CURRENT FUNDSCorporation for Public Broadcasting Grant - Mass Communication

62. Increase the annual rate of Louis H. Valles, Operation Manager, Radio Station KTEP, effective April 1, 1972, from \$5,880.00 to \$6,780.00, and lapse \$1,885.00 budgeted for this position to unencumbered salaries due to the termination of the contract on April 30, 1972. (RBC 311)

AUXILIARY ENTERPRISESIntercollegiate Athletics

63. Accept the resignation of Richard L. Mullins, Sports Information Director, effective March 31, 1972, and lapse to unencumbered salaries \$4,166.69 budgeted for this position. (RBC 302)

64. Appoint Charles S. Binning as Sports Information Director effective April 1 through August 31, 1972, at an annual rate of \$10,000.00 with the necessary funds in the amount of \$4,166.66 to come from budgeted salaries for this department. (RBC 332)

The Union - Office of the Union Director

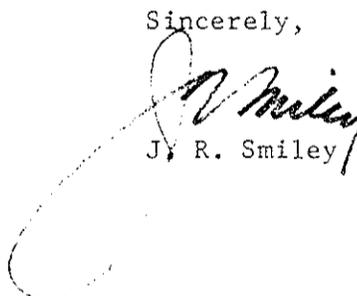
65. Increase the annual rate of William L. Cure, Assistant Director-Program and Services, effective March 15, 1972, from \$8,200.00 to \$9,000.00 with the necessary funds in the amount of \$369.91 to come from budgeted salaries for this department. (RBC 303)

PLANT FUNDS - UNEXPENDEDCombined Fee Revenue Bonds - Interest on Time Deposits

66. Appropriate \$5,400.00 for Campus Lighting System. (RBC 320)

67. Appropriate \$7,407.00 for Remodeling and Equipping Salome House for use as Behavioral Sciences Laboratory. (RBC 322)

Sincerely,



J. R. Smiley

THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas

May 8, 1972

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas 78701

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin on June 9, 1972:

GIFTS TO THE UNIVERSITY OF TEXAS AT ARLINGTON

The following gift has been received by The University of Texas at Arlington. I recommend acceptance and that the thanks and appreciation of the Board be sent the donor by the Secretary.

OK

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. Amon G. Carter Foundation c/o Fort Worth Star-Telegram 400 W. Seventh Street Fort Worth, Texas 76101 (No letter received from donor)	Living Textbook Seminar	\$6,500.00

F

FOOTBALL SCHEDULE 1972

I recommend approval of the following football schedule for The University of Texas at Arlington:

<u>Date</u>	<u>Opponent</u>	<u>Site</u>
September 9	Southern Mississippi	Hattiesburg, Miss.
September 16	Oklahoma State	Stillwater, Okla.
September 23	Toledo University	Toledo, Ohio
September 30	Texas Christian University	Fort Worth, Texas
October 7	*Louisiana Tech	Arlington
October 21	New Mexico State	Las Cruces, N. M.
October 28	*Southwestern Louisiana	Arlington
November 4	*Abilene Christian	Abilene, Texas
November 11	West Texas State	Arlington
November 18	*Lamar University	Beaumont, Texas
November 25	*Arkansas State	Arlington

*Denotes Southland Conference game

RESEARCH AND OTHER ACADEMIC CONTRACTS

The following contracts, grants and amendments have been signed by the appropriate official upon the recommendation of the respective technical directors and fiscal officers.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. I recommend your approval and ratification of signatures.

GOVERNMENT SUPPORTED PROJECTS: D + F

1. Grant GK-32630, Proposal No. P2K1336, in the amount of \$16,000 from the National Science Foundation in support of a project entitled "Research Initiation - Dynamic Analysis of Normal and Pathological Motor Control," under the direction of Alfred R. Potvin, Department of Bioengineering.

PROJECTS SUPPORTED BY NON-FEDERAL SPONSORS: D + F

1. Interagency Cooperation Contract IAC(72-73) - 446 between The University of Texas Nursing School and The University of Texas at Arlington whereby UT Arlington supplies telephone and postage, photography services, art work, duplication, and other needed supplies and services to the Nursing School.
2. Interagency Cooperation Contract IAC(72-73) - 443 between the Texas Department of Community Affairs and The University of Texas at Arlington whereby UT Arlington will perform certain specified services for a contract price of \$4,806.00.
3. Letter dated May 2, 1972, from the Dallas Geological Society granting \$1,250 to the Department of Geology for costs involved in the completion of an Urban Geology Study of Dallas County.
4. Letter dated March 27, 1972, from The Robert A. Taft Institute of Government approving a proposal by The University of Texas at Arlington to hold a Robert A. Taft Institute of Government Seminar during the summer of 1972.

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGETGENERAL ADMINISTRATIONOffice of the Registrar

1. Transfer of Funds:

From:	Maintenance and Operation	\$230.
To:	Travel	\$230.

For: All travel funds in this account are encumbered. One of the staff has been appointed to a System wide committee which will require additional travel not anticipated.

(RBC #260)

LIBERAL ARTSDepartment of English

2. Transfer of Funds:

From:	12-898 Unallocated Departmental Operation - Travel	\$409.50
To:	Travel	\$409.50

For: To provide additional funds for attendance at national and regional meetings for recruiting of new departmental chairman.

(RBC #254)

Department of History and Philosophy

3. Transfer of Funds:

From:	12-808 Unallocated Departmental Operation - Travel	\$400.
To:	Travel	\$400.

For: To provide travel funds for trips not anticipated at the time of the preparation of the initial budget.

(RBC #256)

BUSINESS ADMINISTRATIONOffice of the Dean of Business

4. Transfer of Funds:

From:	12-810 Unallocated Instructional Administration-Unallocated Administrative and Professional Salaries	\$2500.
To:	Travel	\$2500.

For: To provide additional travel funds for presentation of research papers and other participation in professional meetings for the faculty of the School of Business Administration. Original budgeted travel funds were inadequate.

(RBC #257)

Department of Economics

5. Transfer of Funds:

From:	Wages Hourly	\$400.
To:	Maintenance and Operation	\$400.

For: The use of supplies has increased substantially over previous years as a result of modification of teaching procedures toward more use of visual aids.

(RBC #250)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET - continuedENGINEERINGDepartment of Electrical Engineering

6. Promote Floyd L. Cash (Tenure) from Professor and Acting Chairman to Professor and Chairman, with no change in academic rate of \$20,000 effective April 1, 1972. (RBC #259)

COMPUTER DEVELOPMENT AND TRAINING

7. Transfer of Funds:

From:	Computer Service	\$5500.
To:	Maintenance and Operation	\$5500.
For:	Modifications and new equipment to improve job submission station.	

(RBC #253)

AUXILIARY ENTERPRISESParking and Traffic Facilities

8. Transfer of Funds:

From:	Unallocated Salaries	\$2000.
To:	Travel	\$2000.
For:	Additional funds required in Travel to cover expense of Service Training Schools, Officer Stress Seminars and Chief's Conferences for the remainder of the fiscal year.	

(RBC #255)

PLANT FUNDSRe-working Dock Area and Solvent Storage Facility for Science Departments

9. Transfer of Funds:

From:	40-399 Unallocated Building	
	Use Fee	\$9600.
To:	Maintenance and Operation	\$9600.
For:	This will provide funds for a minor repair project at the Science Building at U. T. Arlington. Extension of the dock area will be accomplished and improved safety conditions for solvent storage will be provided. This work will be performed by the Physical Plant Staff at U. T. Arlington.	

(RBC #251)

Remodeling Certain Physics Laboratories

10. Transfer of Funds:

From:	Account 566 - Unappropriated	
	Plant Funds - Local	\$20,000.
To:	Maintenance and Operation	\$20,000.
For:	To provide funds to supplement the Legislative Appropriation for Major Repair and Rehabilitation to the Science Hall area vacated by Geology. The area is being renovated to provide teaching laboratory space for physics.	

(RBC #251)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET - continuedPLANT FUNDSLand Acquisition

11. Transfer of Funds:

From:	Unallocated Proceeds - Combined Fee Revenue	
	Bonds - Series 1971A	\$500,000
To:	U. T. Arlington Land Acquisition Fund	\$500,000
For:	To provide additional funds within the areas approved by the Legislature for land acquisition.	

GRANTS AND CONTRACTS
Coordinating Board Texas College and University
Space Use Improvement

12. Appoint David A. Hullender, Assistant Professor (non-tenure) with academic rate of \$14,200, part-time (50%) with stipend of \$2366 effective June 1, 1972. (RBC #258)

Very truly yours,



Frank Harrison
President

THE UNIVERSITY OF TEXAS AT DALLAS
Office of the President
June 9, 1972

Chancellor Charles A. LeMaistre
The University of Texas System
Austin, Texas 78712

Dear Chancellor LeMaistre:

The following docket for The University of Texas at Dallas is submitted for your approval and submission to the Board of Regents at its meeting in Austin, Texas on June 9, 1972.

RESEARCH AND OTHER ACADEMIC CONTRACTS: The following contracts, grants and amendments have been signed by the appropriate official upon the recommendation of the respective technical directors, fiscal officers, and the Assistant Director of the Center for Advanced Studies.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. Personnel appointments and changes will be in accordance with University salary rates and approvals. Travel and purchasing conform to established procedures.

CONTRACTS AND GRANTS (Federal):

1. Supplement No. 1, Grant No. NGR 44-004-117, by which the National Aeronautics and Space Administration, Manned Spacecraft Center, provided a one year extension in period of performance, from February 1, 1972 to February 1, 1973, at no increase in estimated cost of the grant, for research entitled "Evidence of an Ancient Lunar Magnetic Field," under the direction of Dr. Charles E. Helsley, Professor, Division of Geosciences.
2. Modification No. 18S, Contract No. NAS 9-10410, by which the National Aeronautics and Space Administration, Manned Spacecraft Center, provided an increase of \$100,000 in the allotted funds for the period ending June 30, 1972, from \$1,807,000 to \$1,907,000, for research entitled "Mass Spectrometers for Apollo's 15 and 16," under the direction of Dr. John H. Hoffman, Associate Professor, Division of Atmospheric and Space Sciences.
3. Administrative Change Order (Modification) No. 3, Contract No. NAS 1-9699, by which the National Aeronautics and Space Administration, Langley Research Center, provided an increase in allotted funds of \$14,000 from \$52,244 to \$66,244, and extended the period of performance from December 31, 1971, to March 31, 1972, for research entitled "Science Planning for the Viking 1972 Missions in the Area of Entry Science," under the direction of Dr. William B. Hanson, Professor, Division of Atmospheric and Space Sciences.
4. Administrative Change Order (Modification) No. 5, Contract No. NAS 1-9699, by which the National Aeronautics and Space Administration, Langley Research Center, provided an extension in the period of performance from March 31, 1972 to June 30, 1972, with no change in estimated cost of the contract, for research entitled "Science Planning for the Viking 1972 Missions in the Area of Entry Science" under the direction of Dr. William B. Hanson, Professor, Division of Atmospheric and Space Sciences.

5. Modification No. 16, Contract NAS 5-9112, by which the National Aeronautics and Space Administration, Goddard Space Flight Center, extended the period of performance five months, from April 1, 1972, to October 1, 1972, at no increase in estimated cost of the contract, for research entitled "A Soft-Particle Spectrometer for the ISIS-A Satellite," under the direction of Dr. Walter J. Heikkila, Professor, Division of Atmospheric and Space Sciences.
6. Task Order No. -0006, Contract No. N00014-67-A-0310, by which the Office of Naval Research, provided \$16,455 for the period December 15, 1971 through September 30, 1972, for research entitled, "Crustal Studies Workshop," under the direction of Dr. Anton L. Hales, Professor, Division of Geosciences.
7. Grant No. GA-33262X by which the National Science Foundation provided \$50,600 for the period July 15, 1972 through December 31, 1973, for research entitled "Tropical, Mid and High Latitude Studies of Selected Airglow Emissions" under the direction of Dr. B. A. Tinsley, Associate Professor, and Dr. A. B. Christensen, Research Associate, both of the Division of Atmospheric and Space Sciences.
8. Amendment No. 1, Grant No. GA-28962, by which the National Science Foundation provided an increase in total estimated cost and funds of \$41,000, from \$47,900 to \$88,900, and extended the period of performance from April 30, 1972 to October 31, 1973, for research entitled "Dallas and Churchill Super Neutron Monitor Stations," under the direction of Dr. R. A. R. Palmeira, Assistant Professor, Division of Atmospheric and Space Sciences.
9. Supply Allowance No. 5 FO2 CA49868-02, by which the National Cancer Institute, Department of Health, Education, and Welfare, provided \$1,000 for expenditures during the period April 1, 1972 through March 31, 1973, in connection with the fellowship awarded Dr. Lewis D. Beckman, Research Associate, Division of Biology.
10. Grant No. 5 S05 RR07133-03, by which the Department of Health, Education, and Welfare, General Research Support Branch, Division of Research Resources, provided \$55,233 in direct costs for the period June 1, 1972 through May 31, 1973, for a "Biomedical Sciences Support Grant," under the direction of Dr. Royston C. Clowes, Professor, Division of Biology.
11. Amendment No. 14, Subcontract No. SC-830, by which The Bendix Corporation, Aerospace Systems Division, provided an increase in total estimated cost and allotted funds by \$51,369, from \$1,514,261 to \$1,565,630, and extended the period of performance from February 29, 1972 to April 30, 1972, for research entitled "Lunar Atmospheric Composition Experiment," under the direction of Dr. John H. Hoffman, Associate Professor, Division of Atmospheric and Space Sciences.

GIFTS TO THE UNIVERSITY OF TEXAS AT DALLAS

The following gifts in excess of \$5,000 have been received at The University of Texas at Dallas. I recommend acceptance and that the thanks and appreciation of the Board be sent the donors by the Secretary.

<u>DONOR</u>	<u>PURPOSE AND CONDITIONS</u>	<u>AMOUNT</u>
Hoblitzelle Foundation 2522 Republic Bank Bldg. Dallas, Texas 75201 Att: Mr. Van Alen Hollomon Grant Coordinator	Purchase of a Steinway Grand, Model B. Piano, and Norelco Cinematica twin projectors for Founders North Building	\$17,180.00

GIFTS TO THE UNIVERSITY OF TEXAS AT DALLAS (continued)

<u>DONOR</u>	<u>PURPOSE AND CONDITIONS</u>	<u>AMOUNT</u>
Sun Oil Company (Delaware) 12850 Hillcrest Road Dallas, Texas 75230 Att: Mr. R. L. Connell Regional Manager, Administrative Services	Electrical well log cards, electric logs, scout tickets, miscellaneous office furniture and other exploratory and pro- duction geological data for Geological Information Library of Dallas	\$57,000.00
Mr. Paul M. Buttermore 6005 Tarrytown Terr. #5108 Dallas, Texas 75205	Driller's logs and AAPG Publications for Geological Information Library of Dallas	\$12,095.25

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET

Source of funds for payment of salaries, unless otherwise indicated, is the departmental salaries account.

GENERAL ADMINISTRATION

Office of the President

1. Transfer of Funds
Amount of Transfer - \$2,185

From: Unallocated Development	\$ 2,185
To: Office of the President - Classified Salaries	\$ 2,185

To provide for a secretary for planning officer.
(RBC D78)

Office of Student Services

2. Establish an Office of Student Services and transfer funds in the amount of \$5,504 as indicated below to provide for expenditures in the operation of this department:

From: Unallocated Development	\$ 5,504
To: Office of Student Services - Administrative & Professional Salaries	\$ 4,904
Maintenance & Operation	400
Travel	200
(RBC D56)	
3. Appoint Sandra L. Morrison Director of Student Services at an annual rate of \$11,500 at 50% time March 1 through April 23 and 100% April 24 through August 31, 1972. Source of funds: Unallocated Development. (RBC D56)

Dean of Faculties

4. Transfer of Funds
Amount of Transfer - \$8,752

From: Unallocated Development	\$ 8,752
To: Dean of Faculties - Classified Salaries	\$ 3,552
Maintenance & Operation	2,700
Travel	2,500

To provide for expenses incurred in setting up and operating a Registrar's and Admissions Office. (RBC D55)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET (continued)GENERAL ADMINISTRATION (continued)Vice President for Business Affairs

5. Transfer of Funds

Amount of Transfer - \$4,250

From:	Unallocated -	
	Maintenance & Operation	\$ 1,750
	Travel	2,500
To:	Office of the Vice President for Business Affairs -	
	Maintenance & Operation	\$ 1,750
	Travel	2,500

To provide for additional expenditures associated with additional personnel in this department. (RBC D68)

Purchasing & Receiving

6. Transfer of Funds

Amount of Transfer - \$179

From:	Purchasing & Receiving -	
	Travel	\$ 179
To:	Purchasing & Receiving -	
	Equipment	\$ 179

To provide for the purchase of two adding machines. (RBC D64)

GENERAL INSTITUTIONALInstitutional Planning

7. Transfer of Funds

Amount of Transfer - \$10,264

From:	Unallocated	\$10,264
To:	Institutional Planning -	
	Classified Salaries	\$ 2,664
	Wages	50
	Maintenance & Operation	7,500
	Travel	50

To provide for development activities of the University. (RBC D69)

Workman's Compensation Insurance

8. Transfer of Funds

Amount of Transfer - \$5,000

From:	Unallocated -	
	Maintenance & Operation	\$ 5,000
To:	Workman's Compensation Insurance -	
	Maintenance & Operation	\$ 5,000

To provide sufficient funds for the year's coverage. (RBC D70)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET (continued)RESIDENT INSTRUCTIONPhysics

9. Transfer of Funds

Amount of Transfer - \$1,000

From: Physics - Maintenance & Operation \$ 1,000

To: Physics - Travel \$ 1,000

To provide for anticipated expenses in recruitment of new faculty for the developing Physics department. (RBC D74)

Biology

10. Resign Yvonne T. Lanni, Associate Professor (Tenure) academic rate \$16,800 effective March 31, 1972. She was budgeted part-time in Biology and Biology Contracts and Grants. (RBC D75)

11. Transfer of Funds

Amount of Transfer - \$1,800

From: Biology - Faculty Salaries \$ 1,800

To: Biology Organized Research -
Administrative & Professional Salaries \$ 1,800

To provide for a shift in personnel assignments between departments. (RBC D77)

LIBRARY

12. Resign James C. Andrews, University Librarian annual rate \$24,000, effective April 10, 1972. (RBC D66)

13. Appoint James T. Dodson University Librarian at an annual rate of \$24,000 effective July 1, 1972. Appoint him also Associate Professor of Learning Resources and Educational Media (without tenure). (RBC D63)

ORGANIZED RESEARCHDivision of Atmospheric & Space Sciences

14. Transfer of Funds

Amount of Transfer - \$500

From: DASS - Maintenance & Operation \$ 500

To: DASS - Travel \$ 500

To provide additional funds for expenses of Dr. Fenyves' project. (RBC D73)

CONTRACTS & GRANTSBiology

15. Revise appointment of Anthony F. Morgan, Research Associate annual rate \$8,500, to begin effective June 1, 1972. (RBC D76)

41
11

1972 SUMMER SESSION

The following Summer Session is allocated within funds set aside in the original operating budgets previously approved by the Board for this purpose. Salary calculations are pro rata based on the nine-month academic rate. No salary rate increases are permitted in the Summer Session Budget.

Appropriation for 1972 Summer Session (See Budget adopted by the Board of Regents, page 34)	\$ 80,000
Less: Transfer to Unallocated Classified Salaries	<u>1,602</u>
Sub-Total	\$ 78,398

Allocations for 1972 Summer Session	
Resident Instruction - Faculty Salaries	
Physics Graduate Program	\$ 27,914
Geosciences Graduate Program	21,569
Biology Graduate Program	18,873
Chemistry Graduate Program	<u>10,042</u>
	<u>78,398</u>

Unallocated Summer Session Balance	<u>\$ -0-</u>
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GRADUATE PROGRAM IN PHYSICS

Carl B. Collins, Program Head

ITEM NO	PAYROLL TITLE - CODE - NAME	DATES		% OF TIME	ACCOUNT NO.	9 Month RATE	SS 1972 BUDGET
		BEGIN	END				
	Professor - 0010						
1	William B. Hanson - T	6-01	8-31	5		\$27,637.50	\$ 461
2	Walter J. Heikkila - T	6-01	8-31	10		20,700	690
3	Ivor Robinson - T	6-01	8-31	50		26,887.50	4,481
4	Istvan Oszvath - T	6-01	8-31	50		21,300	3,550
	Visiting Professor - 0012						
5	Ervin Fenyves	6-01	8-31	100		20,600	6,867
	Associate Professor - 0020						
6	Carl B. Collins -T	6-01	8-31	55		15,000	2,750
7	James E. Midgley - T	6-01	8-31	25		15,000	1,250
8	Donald Rapp - T	6-01	8-31	10		15,000	500
	Assistant Professor - 0030						
9	Roy C. Chaney	6-01	8-31	100		10,400	3,467
10	Richard R. Hodges	6-01	8-31	5		14,300	238
11	Worth B. Hurt	6-01	7-15	100		12,100	1,995
		7-16	8-31	15		12,100	510
12	Mike J. Shaw	6-01	8-31	35		9,900	1,155
							<u>\$27,914</u>

GRADUATE PROGRAM IN GEOSCIENCES

Anton L. Hales, Program Head

ITEM NO	PAYROLL TITLE - CODE - NAME	DATES		% OF TIME	ACCOUNT NO.	9 Month RATE	SS 1972 BUDGET
		BEGIN	END				
	Professor - 0010						
1	Anton L. Hales - T	6-01	8-31	33		\$30,281.25	\$ 3,331
2	Charles E. Helsley - T	6-01	8-31	50		19,200	3,200
3	Mark Landisman - T	6-01	8-31	17		19,200	1,088
	Associate Professor - 0020						
4	Emile A. Pessagno - T	6-01	8-31	100		14,000	4,667
	Assistant Professor - 0030						
5	James L. Carter	6-01	8-31	50		11,700	1,950
6	James B. Urban	6-01	8-31	100		11,800	3,933
7	Peter A. Scholle	6-01	8-31	100		10,200	3,400
							<u>\$21,569</u>

GRADUATE PROGRAM IN BIOLOGY

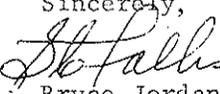
Roy C. Clowes, Program Head

ITEM NO	PAYROLL TITLE - CODE - NAME	DATES		% OF TIME	ACCOUNT NO.	9 Month RATE	SS 1972 BUDGET
		BEGIN	END				
1	Professor - 0010 Walter Harm - T	6-01	8-31	60		\$23,200	\$4,640
2	Daniel L. Harris	6-01	8-31	100		19,500	6,500
	Assistant Professor - 0030						
3	Richard G. Cutler	6-01	8-31	100		11,800	3,933
4	Jost Kemper	6-01	8-31	100		11,400	3,800
							<u>\$18,873</u>

GRADUATE PROGRAM IN CHEMISTRY

Richard A. Caldwell, Program Head

ITEM NO	PAYROLL TITLE - CODE - NAME	DATES		% OF TIME	ACCOUNT NO.	9 Month RATE	SS 1972 BUDGET
		BEGIN	END				
	Associate Professor - 0020						
1	Richard A. Caldwell - T	6-01	8-31	100		\$12,500	\$ 4,167
	Assistant Professor - 0030						
2	Lynn A. Melton	6-01	8-31	100		9,000	3,000
3	Christopher A. Parr	6-01	8-31	100		8,625	2,875
							<u>\$10,042</u>

Sincerely,

 Bryce Jordan
 President

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL AT DALLAS
5323 Harry Hines Boulevard, Dallas, Texas 75235

May 8, 1972

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
Austin, Texas 78712

Dear Dr. LeMaistre:

The following docket for The University of Texas Southwestern Medical School at Dallas is submitted for your approval and presentation to the Board of Regents at its next meeting in Austin on June 9, 1972.

TRAVEL PERMITS. Approval is requested for the following travel:

1. William Q. Sturner, M.D., Assistant Professor of Pathology, to travel to Amsterdam, Paris, and Edinburgh and to attend a meeting of 6th International meeting of Forensic Sciences for the period from September 1, 1972 through October 8, 1972. Partial expenses will be paid by MSRDP.
2. Kern Wildenthal, M.D., Associate Professor of Physiology, to travel to England to attend several scientific meetings and conduct a collaborative study at the University of Cambridge for the period from July 5, 1972 through August 11, 1972. Expenses will be paid from one of Dr. Wildenthal's grants.

GIFTS OF \$5,000 OR MORE. It is recommended the following gift be approved and that the appreciation of the Board of Regents be sent to the donor.

Donor	Purpose and Condition	Amount
1. Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	Margaret Milam McDermott Chair in Anesthesiology	\$12,395.58

GRANTS (NON-GOVERNMENTAL). Approval of the following grants is requested and it is recommended that the appreciation of the Board of Regents be sent to the donors:

1. Grant whereby The Population Council, The Rockefeller University, York Avenue & 66th Street, New York, New York 10021, provides \$500 for a Fellowship Laboratory Fee Award for Dr. Nira Ben Jonathan in the Department of Physiology. This is sponsored by Dr. John C. Porter, Professor of Physiology.
2. The Procter & Gamble Company, Research and Development Department, Cincinnati, Ohio 45239, provides \$10,000 for research on Effect of Diphosphate on Renal Stone Formation in vitro. This is directed by Dr. Charles Y. C. Pak, Associate Professor of Internal Medicine.
3. Grant whereby Edward Laboratories, 17221 Red Hill Avenue, Santa Ana, California 92705, provides \$2,000 for research on The Development of Antithrombin Membrane Oxygenators. This is directed by Dr. William J. Rea, Assistant Professor of Thoracic and Cardiovascular Surgery.
4. Grant whereby McNeil Laboratories, Inc., Camp Hill Road, Fort Washington, Pennsylvania 19034, provides \$2,500 for research on A Phase II Double-Blind Sequential Evaluation of TOLECTIN (tolmetin) versus Placebo in the Treatment of Rheumatoid Arthritis. This is directed by Dr. Morris Ziff, Professor of Internal Medicine.

GRANTS (NON-GOVERNMENTAL). - continued

5. Grant whereby Deutscher Akademisch Austauschdienst, Kennedy allee 50, 53 Bonn-Bad Godesberg 1, West Germany, provides \$372 for a laboratory supply allowance in behalf of Dr. H. U. Schweikert, a research fellow in Internal Medicine and sponsored by Dr. Jean D. Wilson, Professor of Internal Medicine.

6. Grant M72.054C whereby The Population Council, 245 Park Avenue, New York, New York 10017, provides \$6,534 for research on Uterine Copper Levels with the Copper T for the period from April 1, 1972 through March 31, 1973. This is directed by Dr. Jack A. Pritchard, Professor of Obstetrics and Gynecology.

7. Grant whereby Blanche Mary Taxis Foundation, 1200 Republic National Bank Building, Dallas, Texas 75201, provides \$5,129 for research on Longitudinal Studies in Tuberculosis and Sarcoidosis. This will be directed by Dr. David Nicholson, Associate Professor of Internal Medicine.

8. Grant No. I-454 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, approves the Amended Budget Request for the grant directed by Dr. Charles E. Mize, Assistant Professor of Biochemistry and Pediatrics.

9. Grant No. I-080 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, approves the Amended Budget Request for the grant directed by Dr. John M. Johnston, Professor of Biochemistry.

10. Grant whereby The J. B. Williams Company, Inc., 767 Fifth Avenue, New York, New York 10022, provides \$11,660 for continuation of research on The Frequency of Iron Deficiency in Women and its Correction by Daily Ingestion of Small Doses of Iron. This is directed by Dr. Jack A. Pritchard, Professor of Obstetrics and Gynecology.

11. Grant 72-668 whereby the American Heart Association, Inc., 44 East 23rd Street, New York, New York 10010, provides \$17,160 for research on Antibody Methods for Studying Intrarenal Hemodynamics for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Floyd C. Rector, Jr., Professor of Internal Medicine.

12. Grant whereby Research and Marketing Corporation, Fulbright, Crooker and Jaworski, Bank of the Southwest Building, Houston, Texas 77002, provides \$2,310 additional income for the grant entitled Studies of Scalp Physiology. This is directed by Dr. James H. Herndon, Jr., Chairman of the Division of Dermatology.

13. Grant whereby Parke, Davis and Company, 2800 Plymouth Road, Ann Arbor, Michigan 48106, provides \$3,300 for research on An Efficacy Study of the Parke, Davis and Company Burn Dressing. This will be directed by Dr. Charles Baxter, Professor of Surgery.

CONTRACTS AND GRANTS (FEDERAL). Approval is requested for the following

1. Contract No. NGR 44-012-003 , Supplement No. 9 whereby the National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California 94035, provides \$39,000 additional funds for research on Influence of Gravity on Unicellular Organisms and Optimization of the Ultra-Violet Flying Spot Microscope for Living Cell Observations and extends the expiration date to March 31, 1973. This is directed by Dr. P. O'B. Montgomery, Professor of Pathology and Dr. Joseph S. Paul, Assistant Professor of Pathology.

2. C & Y Project #647 whereby the Department of Health, Education and Welfare, Regional Office, 1114 Commerce Street, Dallas, Texas 75202, approves Budget Revision No. 3 of the Children & Youth Project. The amount remains \$664,000 and the grant period remains April 1, 1971 through March 31, 1972. This is directed by Dr. Heinz F. Eichenwald, Professor and Chairman of Pediatrics.

CONTRACTS AND GRANTS (FEDERAL). - continued

3. Development Award 5 KO3 GM 11105-05 whereby the National Institute of General Medical Sciences, Public Health Service, provides \$27,550 for a Research Career Program entitled Immune Responses of Synovia in Rheumatoid Arthritis for the period from July 1, 1972 through June 30, 1973. This is for Dr. James D. Smiley, Professor of Internal Medicine and sponsored by Dr. Morris Ziff, Professor of Internal Medicine.
4. Grant 44-P-30146/6-01 whereby the Department of Health, Education and Welfare, Social and Rehabilitation Service, 1114 Commerce Street, Dallas, Texas 75202, provides \$3,600 for Undergraduate Traineeships in Rehabilitation Medicine for the period from May 1, 1972 through September 30, 1972. This is directed by Dr. Alexander D. Raptou, Assistant Professor and Acting Chairman of Physical Medicine and Rehabilitation.
5. Research Grant 1 MO1 RR 00633-01 whereby the National Institutes of Health, Division of Research Resources provides direct costs in the amount of \$641,405 plus applicable indirect costs for the General Clinical Research Center for the period from April 1, 1972 through September 30, 1973. This is directed by Dr. Donald W. Seldin, Professor and Chairman of Internal Medicine.
6. Project No. 328 whereby the Department of Health, Education and Welfare, Health Services and Mental Health Administration, Rockville, Maryland 20852, approves Budget Revision No. 1. The amount of the award remains \$163,460 and the period of the project is July 1, 1971 through June 30, 1972. This is directed by Dr. Doman K. Keele, Associate Professor of Pediatrics.
7. Revised Research Grant 5 RO1 AM 08749-08 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides direct costs in the amount of \$29,816 plus applicable indirect costs for research on Cholesterol Metabolism in the Intact Animal for the period from September 1, 1971 through August 31, 1972. This is directed by Dr. Jean D. Wilson, Professor of Internal Medicine.
8. Revised Research Grant 5 RO1 AM 10105-06 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides direct costs in the amount of \$15,824 plus applicable indirect costs for research on Investigation of the ACTH Producing Cells for the period from September 1, 1971 through August 31, 1972. This is directed by Dr. Eleanor R. Siperstein, Assistant Professor of Cell Biology.
9. Revised Research Grant 5 RO1 AM 03108-13 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides direct costs in the amount of \$22,928 plus applicable indirect costs for research on Intestinal Absorption of Lipids for the period from September 1, 1971 through August 31, 1972. This is directed by Dr. John M. Johnston, Professor of Biochemistry.
10. Revised Research Grant 5 RO1 AM 06506-10 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides direct costs in the amount of \$71,085 plus applicable indirect costs for research on Water and Solute Movement in the Human Intestine for the period from September 1, 1971 through August 31, 1972. This is directed by Dr. John S. Fordtran, Professor of Internal Medicine.
11. Development Award 5 KO3 AM 09968-10 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides \$27,505 for a research career program entitled Regulation of Ketogenesis & Lipogenesis in Animal Tissue for the period from June 1, 1972 through May 31, 1973. This is for Dr. Daniel W. Foster, Professor of Internal Medicine and sponsored by Dr. Donald W. Seldin, Professor and Chairman of Internal Medicine.

CONTRACTS AND GRANTS (FEDERAL). - continued

12. Revised Research Grant 5 RO1 AM 01237-16 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides direct costs for research on Hypothalamic Control of ACTH and LH Secretion for the period from September 1, 1971 through August 31, 1972. This is directed by Dr. John C. Porter, Professor of Physiology.
13. Training Grant 5 TO1 CA 05200-06 whereby the National Cancer Institute, Public Health Service, provides \$31,854 for training in Internal Medicine Metabolism for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Marvin D. Siperstein, Professor of Internal Medicine.
14. Research Grant 5 RO1 AI 03093-13 whereby the National Institute of Allergy and Infectious Diseases, Public Health Service, provides direct costs in the amount of \$14,370 plus applicable indirect costs for research on Staphylococcal and Staphylophage Genetics for the period from June 1, 1972 through May 31, 1973. This is directed by Dr. Eugene D. Rosenblum, Associate Professor of Microbiology.
15. Revised Research Grant 5 RO1 AM 08418-08 whereby the National Institute of Arthritis and Metabolic Diseases, Public Health Service, provides direct costs in the amount of \$19,311 plus applicable indirect costs for the period from September 1, 1971 through August 31, 1972. This is directed by Dr. James D. Smiley, Professor of Internal Medicine.
16. Contract No. NIH NCI E 71-2135, Modification No. 1 whereby the National Cancer Institute, Public Health Service, extends the period of performance to December 31, 1972 without additional funds. This contract is directed by Dr. S. Edward Sulkin, Professor and Chairman of Microbiology.
17. Training Grant 5 TO1 HL 05812-05 whereby the National Heart and Lung Institute, Public Health Service, provides \$102,269 for training in Cardio-pulmonary Physiology for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Robert L. Johnson, Jr., Professor of Internal Medicine.
18. Training Grant 3 TO1 HL 05469-12SI whereby the National Heart and Lung Institute, Public Health Service, provides \$1,105 supplemental funds for the training in Biochemistry for the period from March 1, 1972 through June 30, 1972. This is directed by Dr. Donald W. Seldin, Professor and Chairman of Internal Medicine.
19. Training Grant 5 TO1 HL 05396-13 whereby the National Heart and Lung Institute, Public Health Service, provides \$36,351 for training in Cardio-pulmonary Physiology for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. William F. Miller, Professor of Internal Medicine.
20. Grant No. 44-P-30148/6-01, Amendment No. 1, whereby the Department of Health, Education, and Welfare, Rehabilitation Services, provides \$4,570 additional support for Fundamental of Vocational Rehabilitation Counseling for the period from January 1, 1972 through December 31, 1972. This is directed by Dr. Donald A. Pool, Chairman of Rehabilitation Science, School of Allied Health Professions.
21. Research Grant 5 RO1 CC 00202-06 whereby the National Institutes of Health, Center for Disease Control, Atlanta, Georgia 30333, provides \$33,001 for research on Inhalation Therapy - A Vector in Nosocomial Pneumonia for the period from May 1, 1972 through April 30, 1973. This is directed by Dr. Alan K. Pierce, Professor of Internal Medicine.
22. Training Grant 2 T12 CA 08062-07 whereby the National Cancer Institute, Public Health Service, provides \$99,630 for Clinical Cancer Training Program for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Robert F. Jones, Associate Professor of Surgery.

CONTRACTS AND GRANTS (FEDERAL). - continued

23. Research Grant 5 R01 HL 13619-03 whereby the National Heart and Lung Institute, Public Health Service, provides indirect costs in the amount of \$19,414 plus applicable indirect costs for research on Microsomal Electron Transport in Liver and Heart for the period from May 1, 1972 through April 30, 1973. This is directed by Dr. Bettie S. Masters, Assistant Professor of Biochemistry.

CONTRACTS AND AGREEMENTS (OTHER). Approval is requested for the following:

1. Interagency Contract No. IAC (72-73)-438 whereby the State Board of Control, P. O. Box 13047, Capitol Station, Austin, Texas 78711, approves a contract not to exceed \$280 for The University of Texas Southwestern Medical School at Dallas, School of Allied Health Professions to provide courses of instruction and instructional aids to approved employees of the Texas Employment Commission for the period from September 1, 1971 through August 31, 1972.

2. As cited in Regents' Rules & Regulations, Part Two, Chapter IV, Section 6, approval is requested for a Lease Agreement whereby The University of Texas Southwestern Medical School at Dallas leases from 2600 Stemmons Freeway Company, 611 Stemmons Tower South, Dallas, Texas 75207, approximately 2,000 sq. ft. known as Suite 103, in Building I for 24 months commencing June 1, 1972 through May 31, 1974 in the amount of \$833 per month.

3. As cited in Regents' Rules & Regulations, Part Two, Chapter IV, Section 6, approval is requested for an Addendum to Lease whereby The University of Texas Southwestern Medical School at Dallas amends the lease with J. A. Majors Company for the property known as 2131 Butler Street, Dallas, Texas by reducing the square footage by approximately 295 sq. ft. and reduce the monthly rental from \$375.00 to \$353.62 per month.

4. As cited in Regents' Rules & Regulations, Part Two, Chapter IV, Section 6, approval is requested for a Lease Agreement whereby The University of Texas Southwestern Medical School at Dallas leases from the Dallas Independent School District, approximately 4,000 sq. ft. building on the campus of George Washington Carver Elementary School at 3719 Greenleaf Street, Dallas, Texas for a Neighborhood Health Clinic for a term of one year computed from the first day of the month next following occupancy of the building in the amount of \$2,019 per month.

5. As cited in Regents' Rules & Regulations, Part Two, Chapter IV, Section 6, approval is requested for a Lease Agreement whereby The University of Texas Southwestern Medical School at Dallas leases from Presbyterian Hospital of Dallas, Texas, 8200 Walnut Hill Lane, Dallas, Texas, approximately 3,231 sq. ft. known as Suite 313 in Presbyterian Professional Building, Dallas, Texas for 36 months in the amount of \$957.83 per month and \$957.95 for the last month.

AMENDMENTS TO 1971-1972 BUDGET. Approval is requested for the following. The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget are based on budget rates, all payrolls are processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

Anesthesiology

1. Accept the resignation of Rex H. Hennington, (non-tenure), Assistant Professor, effective April 30, 1972. Dr. Hennington is budgeted at an annual salary rate of \$25,000 payable as follows: \$19,500 from Anesthesiology budget and \$5,500 from Veterans Administration Hospital. (RBC No. 292)

AMENDMENTS TO 1971-1972 BUDGET. - continuedBiophysics and Scientific Computer Center

2. Change the status of Clair Woodrow Goldsmith, (non-tenure), effective April 1, 1972 from Instructor in Biophysics, at an annual salary rate of \$13,800 payable from USPHS 1 P17 HE 14187, to Instructor in Computer Science, Scientific Computer Center, at an annual salary rate of \$13,800 payable as follows: \$6,900 from Scientific Computer Center and \$6,900 payable from USPHS 1 P17 HE 14187. (RBC No. 295)

Internal Medicine

3. Change the source of salary of Norman W. Carter, (tenure), Professor, effective April 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$30,000 from Internal Medicine budget and \$2,000 from USPHS 5 E03 FE 00174, to an annual salary rate of \$32,000 payable as follows: \$22,000 from Internal Medicine budget, \$2,000 from USPHS 5 E03 FE 00174, \$4,000 from USPHS 5 P01 HE 11662, and \$4,000 from USPHS 5 T01 HE 05469. (RBC No. 276)

4. Transfer funds in the amount of \$3,333.32 from Unallocated Faculty Salaries, account No. [REDACTED], to Internal Medicine Teaching Salaries, account No. [REDACTED], and appoint James N. Gilliam (non-tenure), Assistant Professor, effective July 1, 1972, at an annual salary rate of \$20,000 payable from Internal Medicine budget. (RBC No. 280)

Obstetrics and Gynecology

5. Change the source of salary of Paul C. MacDonald, (tenure), Professor and Chairman, effective March 1, 1972, from an annual salary rate of \$32,000 payable from Obstetrics and Gynecology budget, to \$26,500 from Obstetrics and Gynecology budget and \$5,500 from Southwestern Medical Foundation (RBC No. 291)

6. Transfer funds in the amount of \$2,749.98 from Unallocated Faculty Salaries, account No. [REDACTED], to Obstetrics and Gynecology Teaching Salaries, and change the source of salary of Jack A. Pritchard (tenure), Gillette Professor, effective March 1, 1972, as follows: \$26,500 from Obstetrics and Gynecology budget, \$3,000 from Gillette Professor Fund, and \$5,500 from Southwestern Medical Foundation, to \$32,000 from Obstetrics and Gynecology budget and \$3,000 from Gillette Professor Fund. (RBC# 290)

7. Transfer funds in the amount of \$3,041.56 from Unallocated Faculty Salaries, account No. [REDACTED], to Obstetrics and Gynecology Classified Salaries, account No. [REDACTED], to create the position of Senior Secretary, and appoint to this position Charlene Ware, effective February 21, 1972, at an annual salary rate of \$5,784 payable from Obstetrics and Gynecology budget. (RBC# 281)

8. Transfer funds in the amount of \$2,000 from Unallocated Maintenance and Operation, account No. [REDACTED], to Obstetrics and Gynecology Maintenance and Operation, account No. [REDACTED]. (RBC No. 287)

Ophthalmology

9. Appoint Lloyd Tice, Optician, effective April 1, 1972 at an annual salary rate of \$14,400 payable from Various Donors. (RBC No. 296)

Pediatrics

10. Transfer funds in the amount of \$500 from Unallocated Faculty Salaries, account No. [REDACTED], to Pediatrics Teaching Salaries, account No. [REDACTED], and change the source of salary of Raleigh J. Huizinga (non-tenure), Assistant Professor of Pediatrics and Psychology, effective April 1, 1972, from an annual salary rate of \$18,000 payable from Jonsson Foundation, to \$16,000 from the Jonsson Foundation and \$2,000 from Pediatrics budget. (RBC No. 278)

11. Accept the resignation of Hunter Leake, III, (non-tenure), Instructor, effective April 30, 1972. Dr. Leake is budgeted at an annual salary rate of \$18,000 payable as follows: \$14,000 from USPHS 12 HS 248 and \$3,996 from National Foundation - Birth Defects. (RBC No. 282)

AMENDMENTS TO 1971-1972 BUDGET. - continuedPhysical Medicine and Rehabilitation

12. Appoint John R. Shull, (non-tenure), Clinical Assistant Professor, approximately 38%, for the period March 1, 1972 through June 30, 1972, at an annual salary rate of \$19,000 payable from USPHS 44-P-30064-6-07. (RBC No. 285)

13. Correct RBC No. 80, dated September 7, 1971, as follows: Change the source of salary of Kathryn Ragsdale, (non-tenure), Coordinator of Continuing Education and Instructor in Physical Medicine and Rehabilitation and School of Allied Health Professions, effective September 1, 1971, from an annual salary rate of \$10,500 payable as follows: \$8,400 from School of Allied Health Professions - Administration budget and \$2,100 from Physical Medicine and Rehabilitation, to \$10,500 from School of Allied Health Professions - Administration budget. (RBC No. 259)

Physiology

14. Change the dates of period of appointment of Douglas I. McCloskey, (non-tenure), Visiting Assistant Professor, from January 17, 1972 through March 17, 1972, to January 17, 1972 through March 15, 1972. Dr. McCloskey was appointed at an annual salary rate of \$18,000 payable from Physiology budget. (RBC No. 279)

Psychiatry

15. Appoint David R. Baker (non-tenure), Instructor, effective June 1, 1972, at an annual salary rate of \$20,000 payable as follows: \$5,000 from USPHS 5 T02 MH 05928 and \$15,000 from USPHS 5 T01 MH 06528. (RBC No. 289)

16. Transfer funds in the amount of \$2,124.99 from Unallocated Faculty Salaries, account No. 207000, to Psychiatry Teaching Salaries, account No. 206100, and appoint F. Diane Fagelman (non-tenure), Clinical Instructor, 50%, at an annual salary of \$10,000 payable as follows: \$8,500 from Psychiatry budget and \$1,500 from USPHS 5 T01 MH 10856. (RBC No. 293)

Surgery

17. Transfer funds in the amount of \$2,960 from Unallocated Faculty Salaries, account No. 207000, to Surgery Classified Salaries, account No. 206401, to cover salaries for Vivian Alvstad, Administrative Secretary, April 1, 1972 through August 31, 1972 at a monthly rate of \$110, total \$550, and Annece L. Atkins, Senior Secretary, April 1, 1972 through August 31, 1972, at a monthly rate of \$482, total \$2,410. (RBC No. 284)

Library

18. Change the source of salary of Donald A. Hendricks (tenure), Director of Library, Director of Regional Medical Library Program, Professor of Library Science, effective March 1, 1972, at an annual salary rate of \$27,500 payable as follows: \$22,500 from Library budget, \$2,500 from NIH 41-4710, and \$2,500 from USPHS 1 R01 LM 01207, to \$25,000 from Library budget and \$2,500 from NIH 41-4710. (RBC No. 277)

University Police

19. Transfer funds in the amount of \$1,400 from Unallocated Maintenance and Operation, account No. 207005, to University Police - Travel, account No. 220506. (RBC No. 286)

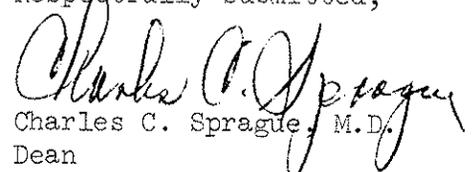
Special Projects

20. Transfer funds in the amount of \$1,266 from Unallocated Maintenance and Operation, account No. 207005, to Special Projects - Campus Lighting, account No. 231305. (RBC No. 283)

School of Allied Health Professions

21. Transfer funds in the amount of \$750 from Dean's Development Fund, Maintenance and Operation, account No. 748505, to School of Allied Health Professions, Maintenance and Operation, account No. 748805. (RBC No. 288)

Respectfully submitted,


Charles C. Sprague, M.D.
Dean

THE UNIVERSITY OF TEXAS
MEDICAL SCHOOL AT SAN ANTONIO

May 10, 1972

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

The following docket for The University of Texas Medical School at San Antonio is submitted for your approval and presentation to the Board of Regents at its next meeting in Galveston on June 9, 1972:

GIFTS: Acceptance is recommended for the following gift which has been received by The University of Texas Medical School at San Antonio:

<u>Donor</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Eloise Alexander Foundation c/o Mr. Lane T. Sealy Vice President and Trust Officer National Bank of Commerce of San Antonio P.O. Drawer 121 San Antonio, Texas 78291	Purchase of a Semi-Automated and multicompartmentalized device for analyzing cells and tissues by the Department of Pediatrics	\$10,200.00

GRANTS (NON-GOVERNMENTAL): Approval is requested for the following:

American Heart Association, Inc.

Change in Grant Previously Approved:

1. Research Grant 70 723
Studies of Platelet and Red Cell Adhesiveness
Dr. James N. George
Extension of time to August 31, 1973
Additional funds of \$7,700
2. Research Grant 72 909
Studies of the Platelet Surface and Platelet Adhesion
Dr. James N. George
September 1, 1972 - August 31, 1975
\$36,080

CONTRACTS AND GRANTS (FEDERAL): Approval is requested for the following:

Department of Health, Education and Welfare

National Institute of Allergy and Infectious Diseases

1. Research Grant 5 R01 AI09402-04
Biosynthesis and Metabolism of Complex Carbohydrates
Dr. Alan D. Elbein
June 1, 1972 - May 31, 1973
\$29,000

2. Research Grant 5 R01 AI09748-03
R-E System Bactericidal Capacity after Thymectomy
 Dr. Richard V. McCloskey
 June 1, 1972 - May 31, 1973
 \$12,930

National Institute of Arthritis and Metabolic Diseases

3. Research Grant 5 R01 AM14357-03
Pathogenic Mechanisms in Chronic Nephritis
 Dr. William T. Kniker
 April 1, 1972 - March 31, 1973
 \$22,000

National Cancer Institute

4. Research Grant 5 R10 CA12029-02
National Surgical Adjuvant Breast Project
 Dr. J. Bradley Aust
 May 1, 1972 - April 30, 1973
 \$9,904

National Institute of General Medical Sciences

5. Research Grant 5 R01 GM17658-02
Ribosomal Ribonucleic Acids and Their Precursors
 Dr. John C. Lee
 May 1, 1972 - April 30, 1973
 \$22,857

United States Air Force

- Change in Grant Previously Approved:
 6. Research Grant AFOSR-71-2074
Effects of Combined Stresses of AF Operation and Medication on
 Cardiovascular and Nervous Functions
 Dr. Arthur H. Briggs
 Extension of time to March 31, 1973
 Additional funds of \$88,497

CONTRACTS AND AGREEMENTS (OTHER): Approval is requested for the following:

Bexar County Hospital District

- Change in Contract Previously Approved:
 1. Change the amount of BCHD Contract #6 ending December 31, 1972
 from \$532,250.00 to \$517,143.12
- Change in Contract Previously Approved:
 2. Change the amount of BCHD Contract #6 ending December 31, 1972
 from \$517,143.12 to \$510,893.12

City Armored Service

3. Approval is requested of the Agreement which has been negotiated with the City Armored Service of San Antonio to, on a daily basis, transfer and convey money, currency, checks, securities, and other valuables. This Agreement is effective April 13, 1972 and signed by Mr. E. M. Mahon, Associate Dean for Administrative Affairs, after concurrence with officers of Systems Administration.

TRAVEL FOR FACULTY AND STAFF: The following travel is reported in accordance with Section 13.33 of Chapter III, Part Two of the Regents Rules and Regulations of the Board of Regents for the government of The University of Texas System:

Dr. James F. Maddux, Professor of Psychiatry, April 30, 1972 to June 2, 1972 to Bolivia, Peru, Ecuador, and Columbia, South America to serve as a representative of the World Health Organization on a United Nations training and consultation mission. Expenses will be at no cost to The University of Texas Medical School at San Antonio.

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET:

Biochemistry

1. Change the source of funds of Dr. David M. Shapiro (non-tenure), Assistant Professor at an annual salary rate of \$22,000 from \$9,900, Teaching Salaries, Biochemistry (45% time) and \$12,100, DHEW Grant 1 D08 ME00138-01 (55% time) to \$22,000, Teaching Salaries, Biochemistry (100% time) effective July 1, 1972. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 182)

Medicine

2. Appoint Dr. Robert N. Schnitzler (non-tenure) as Assistant Professor at an annual salary rate of \$20,000 effective July 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 168)

Microbiology

3. Accept the resignation of Dr. Jose G. Canchola (tenure), Associate Professor at an annual salary rate of \$21,800 effective at the close of business May 15, 1972. Transfer unused Teaching Salaries in the amount of \$6,387.69 to Unallocated Faculty Salaries. (RBC 171)

4. Change the status of Dr. Robert L. Taylor (tenure), Professor at an annual salary rate of \$25,000 to Professor and Deputy Chairman effective May 1, 1972, with no change in annual salary rate. (RBC 172)

5. Appoint Dr. Eric E. M. Moody (non-tenure) as Assistant Professor at an annual salary rate of \$17,500 effective August 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 173)

Obstetrics-Gynecology

6. Change the status of Dr. Joseph E. Martin (non-tenure), from Assistant Professor (100% time) to Assistant Professor (30% time) at an annual salary rate of \$17,000 effective July 1, 1972. Transfer \$1,983.34 unused Teaching Salaries to Unallocated Faculty Salaries. (RBC 177)

7. Accept the resignation of Dr. Stephan N. Schanzer (non-tenure), Associate Professor (20% time) at an annual salary rate of \$24,000 effective at the close of business June 30, 1972. Transfer unused Teaching Salaries in the amount of \$800.00 to Unallocated Faculty Salaries. (RBC 178)

8. Change the status of Dr. Samuel F. Moore, Jr. (non-tenure), Professor (100% time) to Clinical Professor (50% time) at an annual salary rate of \$25,000. Dr. Moore was paid from BCHD Contract #6. Change to be effective July 1, 1972. (RBC 180)

Pathology

9. Accept the resignation of Dr. Robert E. Howard (tenure), Associate Professor at an annual salary rate of \$23,000 effective at the close of business April 15, 1972. Transfer unused Teaching Salaries in the amount of \$8,625.01 to Unallocated Faculty Salaries. (RBC 159)
10. Accept the resignation of Dr. Phyllenore A. Howard (non-tenure), Assistant Professor at an annual salary rate of \$14,500 effective at the close of business April 15, 1972. Dr. Howard was paid from BCHD Contract #6. (RBC 160)
11. Accept the resignation of Dr. Ronald W. Alexander (tenure), Associate Professor at an annual salary rate of \$22,000, effective at the close of business June 30, 1972. Transfer unused Teaching Salaries in the amount of \$3,666.66 to Unallocated Faculty Salaries. (RBC 175)
12. Accept the resignation of Dr. Charles U. Mauney (non-tenure), Assistant Professor at an annual salary rate of \$20,000, effective at the close of business June 30, 1972. Transfer unused Teaching Salaries in the amount of \$3,333.34 to Unallocated Faculty Salaries. (RBC 176)

Pediatrics

13. Appoint Dr. Gloria B. Abraham (non-tenure) as Instructor at an annual salary rate of \$16,000 effective July 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 184)

Psychiatry

14. Grant a leave of absence without salary to Dr. Cecil A. Childers, Jr. (non-tenure), Associate Professor (20% time) at an annual salary rate of \$25,000 effective at the close of business April 18, 1972. Dr. Childers was paid from DHEW Grant 5 TO2 MH11546-04. (RBC 181)

TRANSFER OF FUNDS:

1. Amount of Transfer: \$4,786.00
 To: Library, Maintenance and Operation
 From: Library, Books, Serials, and Bindings
 For: To provide the funds necessary to enable this department to meet its operational requirements. (RBC 167)
2. Amount of Transfer: \$9,750.00
 To: Psychiatry, Equipment
 From: Unallocated, Equipment
 For: To enable this department to make needed equipment purchases for the balance of the fiscal year. (RBC 169)
3. Amount of Transfer: \$5,480.00
 To: Office of Media & Community Information, Maintenance and Operation \$2,500.00
 Anatomy, Classified Salaries 2,480.00
 Physical Plant (University Police), Travel 500.00
 From: Personnel Clinic, Maintenance and Operation \$2,500.00
 Unallocated Classified Salaries 2,480.00
 Physical Plant (University Police), Classified Salaries 500.00
 For: To provide these departments with sufficient funds to enable them to meet their operational requirements. (RBC 174)

4. Amount of Transfer: \$23,010.00
 To: Office of Clinical Affairs, Maintenance
 and Operation \$6,000.00
 Office of Clinical Affairs, Travel 500.00
 Physical Plant (Special Projects) 16,510.00
 From: Unallocated Faculty Salaries \$23,010.00
 For: To provide the funds required for
 needed departmental operating ex-
 penses and various institutional
 remodeling projects. (RBC 179)

BUDGET ADJUSTMENTS:

Service Departments

Department of Animal Care Services

5. Budget Adjustment: \$31,000.00
 To: Maintenance, Operations and Equipment \$13,000.00
 Purchases for Resale 18,000.00
 From: Credit for Sales and Services \$31,000.00
 For: To adjust anticipated income and to
 budget this amount as needed for
 operations. (RBC 170)

Respectfully submitted,



F. C. Pannill, M.D.
 Dean

THE UNIVERSITY OF TEXAS
DENTAL SCHOOL AT SAN ANTONIO

May 10, 1972

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
Austin, Texas 78701

Dear Dr. LeMaistre:

The following docket for The University of Texas Dental School at San Antonio is submitted for your approval and presentation to the Board of Regents at its next meeting in Galveston on June 9, 1972:

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET:

Anatomy, Dental

1. Appoint Dr. Charles W. Jarvis (initial request for tenure) as Associate Professor (30% time) at an annual salary rate of \$28,000 effective July 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. Dr. Jarvis will also be paid as Associate Professor (30% time) from the Department of Biomaterials and as Clinical Director of the Out-Patient Clinic (40% time). (RBC 12)

Biomaterials

2. Appoint Dr. Charles W. Jarvis (initial request for tenure) as Associate Professor (30% time) at an annual salary rate of \$28,000 effective July 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. Dr. Jarvis will also be paid as Associate Professor (30% time) from the Department of Anatomy, Dental and as Clinical Director of the Out-Patient Clinic (40% time). (RBC 13)

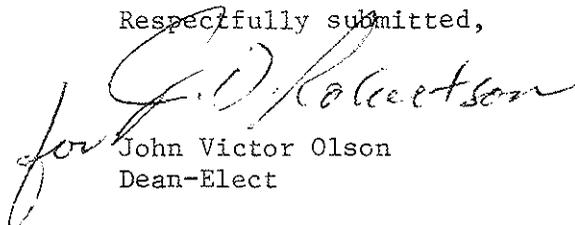
Out-Patient Clinic

3. Appoint Dr. Charles W. Jarvis as Clinical Director (40% time) at an annual salary rate of \$28,000 effective July 1, 1972. Dr. Jarvis will also be paid as Associate Professor (30% time) from the Department of Biomaterials and as Associate Professor (30% time) from the Department of Anatomy, Dental. (RBC 14)

TRANSFER OF FUNDS:

1. Amount of Transfer: \$5,028.00
 To: Medical Communications, Maintenance and Operation
 From: Laboratory Animal Medicine, Classified Salaries
 For: To provide funds necessary to enable this department to meet its operational requirements. (RBC 15)

Respectfully submitted,


John Victor Olson
Dean-Elect

JVO:rs

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

GALVESTON, TEXAS

May 12, 1972

Dr. Charles A. LeMaistre
 Chancellor
 The University of Texas System
 Austin, Texas

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas, on June 9, 1972:

APPOINTMENT FOR MEMBERSHIP ON THE MEDICAL STAFF OF THE UNIVERSITY OF TEXAS MEDICAL BRANCH HOSPITALS AT GALVESTON: On the recommendation of the Executive Committee of the Medical Staff, approval is respectfully requested for the appointment of Harry Bertrand Kelso, Jr., M.D., Clinical Instructor, part-time, Department of Internal Medicine, for Associate Membership on the Medical Staff, effective February 1, 1972. F

THE JAMES W. MCLAUGHLIN FELLOWSHIP FUND: On the recommendation of the Medical Branch McLaughlin Committee for The James W. McLaughlin Fellowship Fund, approval is requested for the following recommendations: F

1. Award a McLaughlin Medical Student Research Training Fellowship to Mr. Robert J. Abresch, II, for the period April 3, 1972 to June 9, 1972, to include:

Stipend	\$ 446.66
(Subject to income tax regulations)	
Maintenance and Operation	<u>100.00</u>
Total	<u>\$ 546.66</u>

2. Award a McLaughlin Medical Student Research Training Fellowship to Mr. William H. Couch, for the period April 3, 1972 to June 9, 1972, to include:

Stipend	\$ 446.66
(Subject to income tax regulations)	
Maintenance and Operation	<u>100.00</u>
Total	<u>\$ 546.66</u>

3. Renew the McLaughlin Predoctoral Fellowship for Miss Su-Fang Chien, for the period June 1, 1972 through May 31, 1973, to include:

Stipend	\$3,600.00
(Subject to income tax regulations)	
Maintenance and Operation	500.00
Travel	<u>300.00</u>
Total	<u>\$4,400.00</u>

4. Renew the McLaughlin Predoctoral Fellowship for Mr. James H. Jorgensen, for the period June 1, 1972 through May 31, 1973, to include:

Stipend	\$4,000.00
(Subject to income tax regulations)	
Maintenance and Operation	750.00
Travel	<u>300.00</u>
Total	<u>\$5,050.00</u>

TRAVEL IN EXCESS OF 29 DAYS: In compliance with Section 13:33 of Chapter III of Part II of the Rules and Regulations of the Board of Regents for the Government of The University of Texas System, I recommend approval of the following travel request:

1. Dr. Joel S. Karen, Resident, Division of Plastic Surgery, Department of Surgery, has been assigned to the Department of Hand Surgery, University of Lund Medical School, Malmo General Hospital, Malmo, Sweden, for the period April 28, 1972 through May 30, 1972. This Hand Surgery Department has been conducting some very sophisticated, advanced clinical application of hand surgery principles and have developed unique methods of evaluation of hand function following repair of certain types of injury, specifically nerve injuries. Since the same techniques are not readily available or as sufficiently developed in a comparable institution in The United States, it is in the best interest of the University for Dr. Karen to spend one month in this unit for the purpose of acquiring firsthand knowledge and skill of their techniques for application at the Galveston Medical Branch. Dr. Karen's travel expenses are to be paid from Current Restricted Account - Plastic Surgery General Operations.

GIFTS: In compliance with Section 1, Subsection 1.3, of Chapter I of Part Two of the Rules and Regulations of the Board of Regents for the Government of The University of Texas System, I recommend approval for the acceptance of the following gifts:

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. American Medical Association Education and Research Foundation 535 North Dearborn Street Chicago, Illinois	For support of Education and research under the direction of Dr. Joseph M. White, Vice President for Academic Affairs and Dean of Medicine. (This is reported as an extension of a previous gift previously docketed - Board of Regents' Minutes of June 4, 1971, Item #1, Page G-3).	\$5,896.68
2. *Dr. Roy Lee Emken 622 Highway 3 LaMarque, Texas	For support of The University of Texas Medical Branch Advisory Development Council; expenditures to be authorized by Miss Patricia J. Pomeroy, Assistant to the President.	\$5,000.00
3. Houston Endowment, Inc. P. O. Box 52338 Houston, Texas	Represents a supplemental grant for the purchase of an electron microscope to be used at the Shriners Burns Institute by personnel of the Medical Branch. (This is reported as an extension of a previous gift previously docketed - Board of Regents' Minutes of April 23, 1971, Item #4, Page G-2)	\$5,850.00

*No letter of transmittal received from the donor.

GIFTS - continued

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
4. Harris and Eliza Kempner Fund P. O. Box 119 Galveston, Texas	Represents the Jeane B. Kempner Postdoctoral Fellowship Award for the period July 1, 1972 through June 30, 1973. (The Jeane B. Kempner Scholarship Fund was established in 1957 - Board of Regents' Minutes of October 10-11, 1957, Page 15)	\$8,800.00
5. Dr. Lee Liggett 1015 Polly Baytown, Texas	Gift of an antique microscope, 1860 vintage; estimated value is \$350.00.	
6. *Student American Medical Association 1400 Hicks Road Rolling Meadows, Illinois	For support of the 1972 SAMA-UTMB National Student Research Forum which was held on the Galveston Medical Branch campus on April 20-22, 1972. (This is reported as an extension of a previous gift, previously docketed - Board of Regents' Minutes of March 16, 1972, Item #6, Page G-3)	\$5,500.00

*No letter of transmittal received from the donor

GRANTS (NONGOVERNMENTAL): Approval is requested for the acceptance of the extension of the following grant:

<u>Donor and Address</u>	<u>Purpose and Conditions</u>
1. American Heart Association Bay Area Chapter 2221 Market Street Galveston, Texas	Extends the expiration date of the grant for research on Lipid Requirements of B-Hydroxybutyrate Dehydrogenase through December 31, 1972, without additional funds. The revised grant period dates are July 1, 1971 through December 31, 1972. The project is directed by Dr. Pat Neville, Assistant Professor, Department of Biochemistry.

CONTRACTS AND GRANTS (FEDERAL): The following contracts and grants have been signed by the appropriate official upon the recommendation of the respective technical directors, fiscal officer, and the Director of the Office of Sponsored Research. I recommend approval and ratification of signatures:

1. Fellowship No. 2 FO2 NS31230-03, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$417 (supply allowance), for the period February 1, 1972 through June 30, 1972, for a Postdoctoral Research Fellowship on behalf of Dr. Daniel L. Trevino, Postdoctoral Fellow, under the sponsorship of Dr. William D. Willis, Jr., Chief of the Division of Marine Neurobiology, Marine Biomedical Institute, and Professor of Physiology and Anatomy.
2. Budget Revision No. 1 to Project No. 409, by which the Department of Health, Education, and Welfare, Health Services and Mental Health Administration, Maternal Child Health Service, Rockville, Maryland, reallocates the funds within the budget of the project for the period July 1, 1971 to June 30, 1972. The approved budget remains \$93,277. The research on The Relation of Genetic Studies to Management of Children with Mental Retardation is directed by Dr. C. W. Daeschner, Professor and Chairman, Department of Pediatrics.
3. Grant No. 5 MO1 RR00073-10 (Revised), by which the Department of Health, Education, and Welfare, Public Health Service, provides \$433,963 plus applicable indirect costs, for the period October 1, 1971 through September 30, 1972, for support of a General Clinical Research Center. The total project period extends from October 1, 1969 through September 30, 1974. The project is directed by Dr. Truman G. Blocker, Jr., President.
4. Contract No. N00014-68-A-0105-0003, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$32,677, for the period March 1, 1972 through February 28, 1973, for research on Role of Rheologic Alterations of Blood in the Pathogenesis of Decompression Sickness. The project is directed by Dr. Charles H. Wells, Assistant Professor, Department of Physiology.
5. Letter, dated March 22, 1972, by which the Department of Health, Education, and Welfare, Public Health Service, extends the expiration date of Grant No. 2 RO1 NS 08584-05 through December 31, 1972. The revised grant period dates are September 1, 1971 through December 31, 1972. The research on Development of Laryngeal and Tracheal Prostheses continues under the direction of Dr. Byron J. Bailey, Professor and Chairman, Department of Otolaryngology.
6. Contract No. XG-3518(62-9178)72R, by which The United States Government provides \$24,937, for the period February 29, 1972 through February 28, 1973, for research aimed at describing the personality and psychophysiological characteristics of "good" versus "poor" assessors of behavioral predispositions using video interviews as the main experimental medium. The project is directed by Dr. Ernest S. Barratt, Research Professor and Director, Behavioral Science Laboratory, Department of Neurology and Psychiatry.
7. Grant No. 5 TO1 GM00459-13, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$64,112 plus applicable indirect cost, for the period July 1, 1972 through June 30, 1973, for Training in Anatomy. The project is directed by Dr. Walther J. Hild, Professor and Chairman, Department of Anatomy. The total project period extends from July 1, 1970 through June 30, 1975.

CONTRACTS AND GRANTS (FEDERAL) - continued

8. Grant No. 2 R01 AM13651-04, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$44,257 plus indirect costs, for the period May 1, 1972 through April 30, 1973, for research on Characterization of the Cystic Fibrosis Serum Factor. The total project period extends from May 1, 1972 through April 30, 1977. The project is directed by Dr. Barbara H. Bowman, I. H. Kempner Professor and Chairman, Department of Human Biological Chemistry and Genetics.
9. Grant No. 5 K03 GM28064-08, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$27,807, for the period July 1, 1972 through June 30, 1973, for a Development Award - Research Career Program. The research on Reversible Changes in Cell Organelles During Stress is performed by Dr. Robert D. Yates, Professor, Department of Anatomy, under the direction of Dr. Walther J. Hild, Professor and Chairman, Department of Anatomy.
10. Grant No. 5 T01 HL 05940-02, by which the Department of Health, Education and Welfare, Public Health Service, provides \$46,626 plus indirect costs, for the period July 1, 1972 through June 30, 1973, for Training in Clinical Cardiology. The total project period extends from July 1, 1971 through June 30, 1974. The project is directed by Dr. John F. Williams, Jr., Professor, Department of Internal Medicine.
11. Letter, dated March 2, 1972, by which the Department of Health, Education, and Welfare, Public Health Service, approves Budget Revision No. 2 to Children & Youth Project No. 648 - Grant No. 06-H-000,080-05-1 for the period April 1, 1971 through March 31, 1972. The total amount of Federal funds budgeted for this period remains \$605,942.00. The project is directed by Dr. Jimmy L. Simon, Associate Professor, Department of Pediatrics.
12. Grant No. 5 T01 HD00267-04, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$89,347 plus indirect costs, for the period July 1, 1972 through June 30, 1973, for a Training Grant in Academic Pediatrics. The total project period extends from July 1, 1969 through June 30, 1974. The project is directed by Dr. Charles W. Daeschner, Professor and Chairman, Department of Pediatrics.
13. Grant No. 5 R01 NS09743-03, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$20,136 plus indirect costs, for the period May 1, 1972 through April 30, 1973, for research on Synaptic Connections of Spinal Cord Neurons. The total project period extends from May 1, 1971 through April 30, 1975. The project is directed by Dr. William D. Willis, Jr., Chief of Comparative Marine Neurobiology, The Marine Biomedical Institute.
14. Grant No. 5 R01 MH14675-05, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$77,609, for the period May 1, 1972 through April 30, 1973, for research on Clinical Psychopharmacology Computer Laboratory. The total project period extends from February 1, 1968 through April 30, 1973. The project is directed by Dr. John E. Overall, Research Professor, Department of Neurology and Psychiatry.

CONTRACTS AND GRANTS (FEDERAL) - continued

15. Grant No. 5 R01 AML5241-02, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$59,819 plus indirect costs, for the period May 1, 1972 through April 30, 1973, for research on Surgical Studies in Gastrin Metabolism. The total project period extends from May 1, 1971 through April 30, 1976. The project is directed by Dr. James C. Thompson, Professor and Chairman, Department of Surgery.
16. Grant No. 5 R10 CA12039-02, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$3,512 plus indirect costs, for the period May 1, 1972 through April 30, 1973, for research on Primary Breast Cancer Therapy Group. The total project period extends from May 1, 1971 through April 30, 1974. The project is directed by Dr. Edward B. Rowe, Associate Professor, Department of Surgery.
17. Grant No. 5 T01 NS10049-06, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$30,173, for the period July 1, 1972 through June 30, 1973, for a Training Grant in Neurology. The total project period extends from July 1, 1968 through June 30, 1973. The project is directed by Dr. John R. Calverley, Professor and Chief, Division of Neurology, Department of Neurology and Psychiatry.
18. Grant No. 5 T01 NS05672-02, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$27,476, for the period July 1, 1972 through June 30, 1973, for a Training Grant in Otolaryngology Academic, Clinical, Research. The total project period extends from July 1, 1971 through June 30, 1974. The project is directed by Dr. Byron J. Bailey, Professor and Chairman, Department of Otolaryngology.
19. Grant No. 5 R01 AI08941-03, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$23,952 plus indirect costs, for the period June 1, 1972 through May 31, 1973, for research on Metabolic Changes in Lethal Bacterial Infections. The total project period extends from June 1, 1970 through May 31, 1973. The project is directed by Dr. James C. Guckian, Assistant Professor, Department of Internal Medicine.
20. Letter, dated April 6, 1972, by which the Department of Health, Education, and Welfare, Public Health Service, approves Budget Revision No. 1 to Project Grant No. 06-H-000-084-02-0 entitled Galveston Family Planning project for the period July 1, 1971 through June 30, 1972. This revision covers reallocation of funds; the approved amount of the award remains \$183,993. The project is directed by Dr. William J. McGanity, Professor and Chairman, Department of Obstetrics and Gynecology.
21. Grant No. 06-H-000080-06-0, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$625,084.00, for the period April 1, 1972 through March 31, 1973, for the continuation of the Children and Youth Project No. 648. The project is directed by Dr. Jimmy L. Simon, Associate Professor, Department of Pediatrics.

RECOMMENDED AMENDMENTS TO 1971-72 BUDGETGeneral Institutional ExpenseDevelopment Office

1. Appoint Mr. Peter M. Moore as Director of Development at a salary rate of \$17,000 for 12 months, effective March 6, 1972. Funds needed are to come from the departmental non-teaching salaries budget. (RBC 494)

Instruction and Departmental Operations
Office of the Vice President for Academic
Affairs and Dean of Medicine

2. Increase the salary rate of Dr. Harold G. Levine, Director of Research in Medical Education, from \$23,000 to \$24,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from DHEW Grant No. 3 D08-ME-00131-02SL. Dr. Levine also serves as Assistant Professor (non-tenure), without salary, part-time, in the Department of Preventive Medicine and Community Health. (RBC 488)

Anatomy

3. Increase the salary rate of Dr. Clayton W. Kischer (tenure), Associate Professor, from \$20,000 to \$20,500 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 520)

4. Increase the salary rate of Dr. Gerald Callas (non-tenure), Assistant Professor, from \$18,500 to \$19,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 521)

Anesthesiology

5. Increase the salary rate of Dr. Leo S. M. Duflot (tenure), Associate Professor, from \$24,000 to \$25,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 522)

6. Increase the salary rate of Dr. John A. Jenicek (tenure), Associate Professor, from \$24,000 to \$25,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 525)

7. Increase the salary rate of Dr. Van S. Parmley (non-tenure), Assistant Professor, from \$24,000 to \$25,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 526)

8. Increase the salary rate of Dr. Roy D. Wilson (tenure), Professor, from \$24,000 (\$12,500 from General Budget and \$11,500 from Professional Fees - Anesthesiology) to \$25,000 for 12 months (\$12,500 from General Budget and \$12,500 from Professional Fees - Anesthesiology), effective April 1, 1972. (RBC 527)

9. Reappoint Dr. Cecile Khoury as Clinical Instructor (non-tenure), without salary, effective March 1, 1972. Dr. Khoury is returning from a Leave of Absence. (RBC 529)

10. Change the status of Dr. Norman E. Halbrooks (non-tenure) from Lecturer, part-time, without salary, to Clinical Assistant Professor, part-time, without salary, effective April 1, 1972. (RBC 537)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedAnesthesiology (continued)

11. Appoint Dr. George P. Beck (non-tenure) as Clinical Associate Professor, part-time, without salary, effective April 1, 1972. (RBC 539)

Internal Medicine

12. Increase the salary rate of Dr. James C. Wright, Jr., (tenure), Associate Professor, from \$21,000 to \$22,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 484)

13. Increase the salary rate of Mr. John S. Stephens, Assistant to the Chairman, from \$15,865 (\$7,365 from General Budget and \$8,500 from MSRDP - Internal Medicine) to \$16,000 for 12 months (\$7,500 from General Budget and \$8,500 from MSRDP - Internal Medicine), effective March 1, 1972. Additional General Budget funds needed are to come from the departmental non-teaching salaries budget. (RBC 533)

Neurology and Psychiatry

14. Increase the salary rate of Dr. Daniel L. Creson (non-tenure), Assistant Professor, from \$21,500 to \$23,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from DHEW Grant No. 5D08-ME-00131-02. Dr. Creson (non-tenure) also serves as Assistant Professor, part-time, without salary, in the Department of Preventive Medicine and Community Health. (RBC 482)

15. Increase the salary rate of Dr. Lawrence G. Hornsby (tenure), Associate Professor and Chief, from \$23,000 to \$24,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. Dr. Hornsby also serves as Associate Professor and Chief, part-time, without salary, in the Department of Pediatrics. (RBC 497)

16. Increase the salary rate of Dr. Leroy T. Gathman (non-tenure), Assistant Professor, from \$19,500 to \$20,500 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 524)

Obstetrics and Gynecology

17. Change the status of Mr. Peter M. Moore from Assistant to the Chairman at a salary rate of \$15,000 for 12 months (\$7,000 from General Budget, \$7,000 from MSRDP - Obstetrics and Gynecology, and \$1,000 from Newton County Nutritional Survey) to Administrative Director and Registrar, part-time, without salary, effective March 5, 1972. Mr. Moore is transferring to the Development Office. (RBC 495)

18. Appoint Mr. Enoch J. Bell, Jr., as Assistant to the Chairman at a salary rate of \$12,600 for 12 months (\$7,000 from General Budget and \$5,600 from MSRDP - Obstetrics and Gynecology), effective March 20, 1972. General Budget funds needed are to come from the departmental non-teaching salaries budget. (RBC 534)

Otolaryngology

19. Increase the salary rate of Dr. Byron J. Bailey (tenure), Wiess Professor and Chairman, from \$33,000 (\$26,000 from General Budget and \$7,000 from Harry Carothers Wiess Chair in Otolaryngology) to \$34,000 for 12 months (\$27,000 from General Budget and \$7,000 from Harry Carothers Wiess Chair in Otolaryngology), effective April 1, 1972. Additional General Budget funds needed are to come from Unallocated Appropriations - Instructional. (RBC 523)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedPathology

20. Increase the salary rate of Dr. John B. Fuller (tenure), Professor, from \$25,500 to \$27,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 493)

21. Increase the salary rate of Dr. Elmer V. Dahl (non-tenure), Research Associate Professor, from \$19,000 to \$20,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 498)

Pharmacology

22. Increase the salary rate of Dr. Bernard Levy (tenure), Professor, from \$22,000 to \$22,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 480)

23. Increase the salary rate of Dr. Bohdan R. Nechay (tenure), Associate Professor, from \$21,000 to \$21,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 490)

24. Increase the salary rate of Dr. Betty J. Williams (non-tenure), Assistant Professor, from \$13,500 to \$14,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 532)

Preventive Medicine and Community Health

25. Increase the salary rate of Dr. Alice A. O'Donell (non-tenure), Assistant Professor, from \$20,000 to \$21,500 for 12 months, effective March 1, 1972. Funds needed are to come from DHEW Grant No. 3 DO8-ME-00131-02SL. Dr. O'Donell also serves as Assistant Professor (non-tenure), part-time, without salary, in the School of Allied Health Sciences, Office of the Dean. (RBC 513)

Radiology

26. Increase the salary rate of Dr. McClure Wilson (tenure), Professor, from \$28,000 to \$29,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 483)

Surgery

27. Increase the salary rate of Dr. George T. Tindall (tenure), Professor and Chief, from \$31,500 to \$32,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 528)

28. Increase the salary rate of Dr. Ernest B. Evans (tenure), Professor and Chief, from \$31,000 to \$32,000 for 12 months, effective April 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 531)

School of Allied Health Sciences -
Office of the Dean

29. Appoint Dr. James R. Cotton, Jr., (non-tenure) as Adjunct Instructor, part-time, without salary, effective January 1, 1972. (RBC 514)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedSchool of Allied Health Sciences -
Office of the Dean

30. Appoint Dr. David L. Cotton (non-tenure) as Adjunct Instructor, part-time, without salary, effective January 1, 1972. (RBC 536)

School of Allied Health Sciences -
Medical Records Administration

31. Increase the salary of Miss Sally A. Mount (non-tenure), Associate Professor and Chairman, part-time, from \$3,875 to \$4,062 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. Miss Mount also serves as Chief Medical Record Librarian, part-time, at a salary of \$8,125 for 12 months in Medical Records Library and at a salary rate of \$4,063 for 12 months from Medical Records Library - Sealy & Smith Foundation. Total salary for 12 months, \$16,250. (RBC 517)

School of Allied Health Sciences -
Occupational Therapy

32. Increase the salary of Mrs. Joy L. Boone (non-tenure), Associate Professor, part-time, from \$10,260 to \$10,824 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. Mrs. Boone also serves as Associate Director, part-time, at a salary of \$1,203 in Rehabilitation Clinic - Occupational Therapy. Total salary for 12 months, \$12,027. (RBC 515)

University Hospitals
Nursing Service - Administration

33. Increase the salary rate of Miss Anna P. Rains, Area Clinical Nursing Director, one-half time, from \$6,000 to \$6,600 for 12 months, effective March 1, 1972. Additional funds needed are to come from the departmental non-teaching salaries budget. (RBC 519)

Medical Records Library

34. Increase the salary of Miss Sally A. Mount, Chief Medical Record Librarian, part-time, from \$7,750 to \$8,125 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Hospitals. Miss Mount also serves as Associate Professor and Chairman, part-time, at a salary of \$4,062 for 12 months in the School of Allied Health Sciences - Medical Records Administration and as Chief Medical Record Librarian, part-time, at a salary of \$4,063 for 12 months in Medical Records Library - Sealy & Smith Foundation Hospitals. Total salary for 12 months, \$16,250. (RBC 518)

Rehabilitation Clinic -
Occupational Therapy

35. Increase the salary of Mrs. Joy L. Boone, Associate Director, Occupational Therapy, part-time, from \$1,140 to \$1,203 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Hospitals. Mrs. Boone also serves as Associate Professor, part-time, at a salary of \$10,824 for 12 months in the School of Allied Health Sciences - Occupational Therapy. Total salary for 12 months, \$12,027. (RBC 516)

The Marine Biomedical Institute

36. Accept the resignation of Dr. Edward L. Beckman, Chief, Marine Medical Division, at a salary rate of \$26,500 for 12 months, effective March 31, 1972. (RBC 535)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedThe Marine Biomedical Institute -
Texas Tektite Project

37. Correct RBC #20 (Board of Regents' Minutes of December 3, 1971, Docket Item #159, Page G-68) to read: Appoint Mr. James O. Covington as System Engineer at a salary rate of \$16,000 (instead of \$17,000) for 12 months, effective September 1, 1971. It is now recommended to increase the salary rate of Mr. James O. Covington, System Engineer, from \$16,000 to \$16,800 for 12 months, effective March 1, 1972. Additional funds needed are to come from the departmental non-teaching salaries budget. (RBC 512)

The Sealy & Smith Foundation Hospitals
Medical Records Library

38. Increase the salary of Miss Sally A. Mount, Chief Medical Record Librarian, part-time, from \$3,875 to \$4,063 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Hospitals. Miss Mount also serves as Associate Professor and Chairman, part-time, at a salary of \$4,062 for 12 months in the School of Allied Health Sciences - Medical Record Administration and as Chief Medical Record Librarian, part-time, at a salary of \$8,125 for 12 months in Medical Record Library - University Hospitals. Total salary for 12 months, \$16,250. (RBC SS11)

Transfer of Funds

39. From: Unallocated Appropriations - Hospitals \$ 7,211.81

To: Clinical Laboratory - Classified Salaries \$ 7,211.81

For: The creation of the following new positions:
One (1) Laboratory Technical Assistant I at a salary rate of \$4,200 for 12 months, effective March 20, 1972.

One (1) Laboratory Technical Assistant I at a salary rate of \$4,392 for 12 months, effective March 20, 1972.

One (1) Medical Technologist I at a salary rate of \$8,160 for 12 months, effective April 2, 1972.

(RBC 540)

40. From: Unallocated Appropriations - Hospitals \$ 16,070.00

To: Housekeeping - Classified Salaries \$ 16,070.00

For: The creation of seven (7) new positions of Custodial Worker I at a salary rate of \$4,200 each and two (2) new positions of Custodial Worker II at a salary rate of \$4,584 each, effective April 1, 1972. These positions are for the new Library Building.

(RBC 538)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedTransfer of Funds (continued)

41. From: Unallocated Appropriations - Hospitals \$ 5,800.00

To: Housekeeping - Classified Salaries \$ 5,800.00

For: Funds needed for the creation of the following new positions, effective April 1, 1972:

1. One (1) Housekeeper at a salary rate of \$5,520 for 12 months for Ave Maria Hall.
2. One (1) Custodial Worker I at a salary rate of \$4,200 for 12 months for Unit D.
3. One (1) Custodial Worker I at a salary rate of \$4,200 for 12 months for Clay Hall.

(RBC 541)

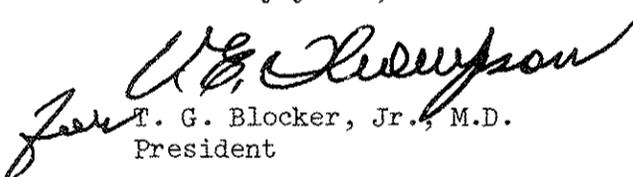
42. From: Unallocated Appropriations - General \$ 2,500.00

To: Physical Plant:
Security Division - Travel \$ 2,500.00

For: Additional funds for travel are requested in order that the Security Division may continue to participate in the training programs to be scheduled throughout the year.

(RBC 530)

Sincerely yours,


T. G. Blocker, Jr., M.D.
President

THE UNIVERSITY OF TEXAS
 MEDICAL SCHOOL AT HOUSTON

May 12, 1972

Dr. Charles A. LeMaistre
 Chancellor
 The University of Texas System
 Austin, Texas 78712

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin on June 9, 1972. *DAF*

GIFTS: Approval is respectfully requested for the acceptance of the following gift.

<u>DONOR AND ADDRESS</u>	<u>PURPOSE AND CONDITIONS</u>	<u>AMOUNT</u>
1. Eli Lilly and Company Foundation Indianapolis, Indiana 46206	To aid in the development of the Houston Medical School and its Program of Family Practice.	\$25,000.00

CONTRACTS AND GRANTS (FEDERAL): Approval is respectfully requested for the acceptance of the following grants. *DAF*

1. Grant No. 7 R01 HL15171-01, by which the Department of Health, Education and Welfare provides \$15,178 for the period March 1, 1972 through February 28, 1973 for support of research entitled "Lipid Vasodepressors in Tissues." This project is directed by Dr. Merrill L. Overturf, Research Associate, Program of Internal Medicine.

2. Modification to Grant No. GB-31578, by which the National Science Foundation provides an additional \$5,000 for the period November 15, 1971 through April 30, 1973 for supplemental support of "Studies on the Structure, Function and Assembly of Protein Aggregates in the Tryptophan Pathway" directed by Dr. John A. DeMoss, Professor and Director, Program of Biochemistry and Molecular Biology. This grant was previously docketed in the Board of Regents' Minutes, Meeting No. 696, February 4, 1972, Docket Item No. 2, Page HO-1.

RECOMMENDED AMENDMENTS TO THE 1971-72 PERSONNEL PAY PLAN: Approval is respectfully requested for the following amendment to the 1971-72 Personnel Pay Plan. *41*

<u>Code No.</u>	<u>Title</u>	<u>Monthly Range</u>	<u>Annual Range</u>
1. 5072	Draftsman III	\$770-950	\$9,240-11,400

This amendment has been approved by E. D. Walker, Deputy Chancellor for Administration.

Is this new or a change?

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET: Approval is respectfully requested for the following amendments to the 1971-72 Budget.

INSTRUCTION AND DEPARTMENTAL RESEARCH - ANALYTIC SCIENCES

Biochemistry and Molecular Biology

1. Appoint Dr. David A. Sirbasku (non-tenure) as Assistant Professor in the Program of Biochemistry and Molecular Biology at an annual salary of \$19,000, effective June 1, 1972. Funds needed are to come from departmental Faculty Salaries. (RBC No. 58)

Physiology

2. Appoint Dr. James H. Anderson (non-tenure) as Assistant Professor in the Program of Physiology without salary, effective May 1, 1972. Dr. Anderson also serves as Assistant Professor of Radiology at M. D. Anderson Hospital and Tumor Institute. (RBC No. 56)

3. Appoint Dr. Gilbert A. Castro (non-tenure) as Associate Professor in the Program of Physiology at an annual salary of \$22,000, effective June 1, 1972. Funds needed are to come from Unallocated Appropriations Instructional. (RBC No. 57)

INSTRUCTION AND DEPARTMENTAL RESEARCH - CLINICAL SCIENCES

Psychiatry

4. Appoint Dr. Sarah E. Howell (non-tenure) as Assistant Professor, part-time, in the Program of Psychiatry at an annual salary of \$4,800, effective April 1, 1972. Funds needed are to come from departmental Faculty Salaries. (RBC No. 54)

5. Appoint Dr. Harvey B. Nudelman (non-tenure) as Assistant Professor in the Program of Psychiatry at an annual salary of \$17,000, effective June 1, 1972. Funds needed are to come from departmental Faculty Salaries. (RBC No. 59)

Surgery

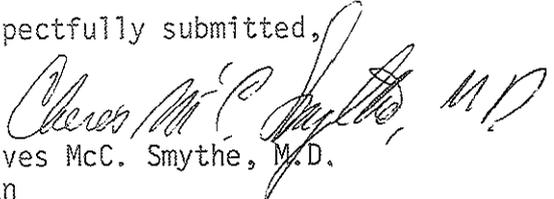
6. Appoint Dr. Stanley J. Dudrick (non-tenure) as Professor of Surgery and Director of the Program in Surgery at an annual salary of \$36,000, effective July 15, 1972. Funds needed are to come from Unallocated Appropriations Instructional. (RBC No. 60)

INSTRUCTION AND DEPARTMENTAL RESEARCH - OTHER INSTRUCTIONAL

Biomedical Communications

7. Appoint Dr. Arthur D. Katser (non-tenure) as Assistant Professor in the Program of Biomedical Communications at an annual salary of \$22,000, effective April 1, 1972. Funds needed are to come from Unallocated Appropriations Instructional. (RBC No. 55)

Respectfully submitted,


Cheves McC. Smythe, M.D.
Dean

THE UNIVERSITY OF TEXAS
DENTAL BRANCH
at Houston

May 9, 1972

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas 78712

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin, Texas on June 9, 1972.

CONTRACTS AND AGREEMENTS: The following contract and agreement have been negotiated by the Associate Dean for Business Affairs and signed by the Dean. I recommend your approval and ratification of the signatures. 1047

1. Agreement whereby the Driscoll Foundation Children's Hospital agrees to pay the University of Texas Dental Branch at Houston \$648.00 monthly on the last day of each month for the period July 1, 1972, through June 30, 1973. The Dental Branch agrees to provide one first year pedodontic resident to the Driscoll Foundation Children's Hospital - The University of Texas Dental Branch at Houston Training Program.

2. Interagency Cooperation Contract IAC(72-73)-457, whereby The University of Texas Dental Branch at Houston agrees to provide laboratories and related supplies for the instruction of courses in Anatomy and Physiology to the students enrolled in the School of Physical Therapy of the Texas Woman's University Houston Center, for the period June 6, 1972, through August 8, 1972, for the sum of \$4,000.00. This contract was approved by the State Board of Control on April 17, 1972. 1047

GRANTS (NONGOVERNMENTAL): The following grant has been received. I recommend your approval and that the appreciation of the Board of Regents be sent to the donor by the Secretary.

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. General Mills, Inc. James Ford Bell Technical Center 9000 Plymouth Ave. North Minneapolis, Minn. 55427 Mr. J. Robert Roach, Vice President and Director Research and Development	To add to the General Mills, Inc. Fund for an additional year ending December 31, 1972	\$1,200.00**

Recommended Amendments to the 1971-72 Budget:

Anatomy (General and Microscopic)

1. Resignation: Dr. J. Lloyd Cahill (non-tenure), Assistant Professor at an annual salary of \$12,000.00, effective May 14, 1972, inclusive; transfer \$3,548.40 to Unallocated Faculty Salaries. (RBC-70)

**Based on two tests at \$600.00 each.

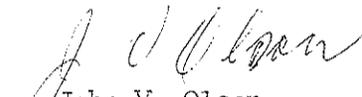
Medicine (Roentgenology)

2. Leave of Absence Without Pay Due to Physical Disability: Dr. Byron E. Bowen (tenure), Associate Professor at an annual salary of \$18,000.00, effective April 1, 1972; transfer \$7,500.00 to Unallocated Faculty Salaries. (RBC-71)

Surgery

3. Resignation: Dr. John N. Kent (non-tenure), Assistant Professor (80% T.) at an annual salary of \$17,600.00, effective July 16, 1972, inclusive; transfer \$2,176.46 to Unallocated Faculty Salaries. (RBC-72)

Respectfully submitted,



John V. Olson
Dean

THE UNIVERSITY OF TEXAS
M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE AT HOUSTON

May 12, 1972

Dr. Charles A. LeMaistre
Chancellor
The University of Texas
Austin, Texas 78712

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas on June 9, 1972:

GIFTS: I recommend acceptance of the following gifts and that the appreciation of the Board be sent to the donor by the Secretary.

<u>Donor</u>	<u>Purpose</u>	<u>Amount</u>
1. William G. Parrott Foundation 6505 State Line Kansas City, Missouri 64113	William G. Parrott Foundation Memorial Fund for Developmental Therapeutics	\$25,000.00
2. M. D. Anderson Foundation Mr. David D. Peden Vice President and Trust Officer P. O. Box 809 Houston, Texas 77001	For Remodeling Former Southern Pacific Hospital	\$170,000.00 (This grant was reported in docket for Regents meeting 6/4/71 as \$166,667.00)
3. Mr. Hub Hill 2100 Mercantile Bank Building Dallas, Texas 75201	Lutheran Hospital Expansion Program Building Fund	\$10,000.00
4. M. G. & Lillie A. Johnson Foundation Mr. Irving Moore, Jr. Ingram & Moore P. O. Box 28 Wharton, Texas 77488	Lutheran Hospital Fund	\$12,285.47
5. M. D. Anderson Foundation Mr. David D. Peden Vice President and Trust Officer P. O. Box 809 Houston, Texas 77001	Carmichael Estate for Cancer Research (\$22,480.97) Davidson Trust for Cancer Research (\$19,813.23)	\$42,294.20

GOVERNMENT CONTRACTS AND GRANTS: The following Contracts, Grants and Amendments have been negotiated by the Business Manager, and have been signed by the President upon recommendation of the Contract Director, and the Business Manager, and approved by the Comptroller and Deputy Chancellor for Administration. I recommend your approval and ratification of signatures.

1. Grant No. 1 F03 CA51621-01 CAN by which the National Cancer Institute provides \$500 for the period January 3, 1972 through July 2, 1972 as a Fellowship Supply Allowance for Dr. Manavala M. Desu. This grant is under the direction of Dr. Edmund A. Gehan.

2. Grant No. 5 P02 CA10006-05 RAD by which the National Cancer Institute extends the grant period for the project "Establishment of Clinical Radiotherapy Research Unit" to March 1, 1971 through February 28, 1973, without additional funds. This grant is under the direction of Dr. Gilbert H. Fletcher.
3. Grant No. 5 R01 HD05803-02 CBY by which the National Institute of Child Health and Human Development provides funds for the project "Nuclear Proteins In Gametogenesis and Embryogenesis" for the period May 1, 1972 through April 30, 1975. Direct costs in the amount of \$29,480 plus appropriate indirect costs are awarded for the period May 1, 1972 through April 30, 1973. This grant is under the direction of Dr. Lubomir S. Hnilica.
4. Grant No. 2 R01 CA10244-04 PC by which the National Cancer Institute extends the grant period for the project "Synthesis of Proteins and Ribosomes in Rat Nuclei" to April 1, 1971 through August 31, 1972, without additional funds. This grant is under the direction of Dr. Robert B. Hurlbert.
5. Grant No. 5 R01 AI09869-02 VR by which the National Institute of Allergy and Infectious Diseases provides funds for the project "RNA Synthesis-Menogovirus Infected Tissue Culture Cells" for the period June 1, 1972 through May 31, 1974. Direct costs in the amount of \$18,345 plus appropriate indirect costs are awarded for the period June 1, 1972 through May 31, 1973. This grant is under the direction of Dr. Ralph B. Arlinghaus.
6. Contract No. NIH-72-C-638CC by which the National Institutes of Health agrees to purchase Blood Cells and Human Leukemic Cells as specified for delivery to the National Institutes of Health during the period April 1, 1972 through March 31, 1973. This contract is under the direction of Dr. Kenneth B. McCredie.
7. Grant No. 2 P02 CA10006-06 CAP by which the National Cancer Institute provides funds for the project "Establishment of Clinical Radiotherapy Research Unit" for the period March 1, 1972 through February 28, 1974. Direct costs in the amount of \$130,751 plus appropriate indirect costs are awarded for the period March 1, 1972 through February 28, 1973. This grant is under the direction of Dr. Gilbert H. Fletcher.
8. Grant No. 5 T01 CA05047-14 CAN by which the National Cancer Institute provides funds for the project "Research Training in Biology of Growth Processes" for the period July 1, 1972 through June 30, 1974. The amount of \$135,796 is provided for the period July 1, 1972 through June 30, 1973. This grant is under the direction of Dr. Felix L. Haas.
9. Grant No. 5 R01 CA04484-14 RAD by which the National Cancer Institute provides funds for the project "Relationship of Repair and Recovery in Mammalian Cells" for the period April 1, 1972 through March 31, 1974. Direct costs in the amount of \$56,210 plus appropriate indirect costs are awarded for the period April 1, 1972 through March 31, 1973. This grant is under the direction of Dr. Ronald M. Humphrey.
10. Grant No. 5 R01 CA11430-07 CON by which the National Cancer Institute provides funds for the project "Biomedical Computation" for the period May 1, 1972 through April 30, 1974. Direct costs in the amount of \$243,953 plus appropriate indirect costs are awarded for the period May 1, 1972 through April 30, 1973. This grant is under the direction of Dr. Stuart O. Zimmerman.

CONTRACTS AND AGREEMENTS, NONGOVERNMENT SPONSORED, INCLUDING RESEARCH GRANTS
AS DISTINGUISHABLE FROM GIFTS:

GRANTS: The following grant has been accepted on behalf of The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston by the President. I recommend approval and ratification of signatures.

WLF

1. Grant by which the American Cancer Society will provide scholarship funds of \$1,300 to M. D. Anderson Hospital for training an enterostomal therapist. This grant is under the direction of Dr. John E. Healey, Jr.

BUDGET CHANGES: The following budget changes are submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas on June 9, 1972.

1971-72

General Administration (Office of The President)

1. Increase in Salary. Increase the salary of R. Lee Clark, M. D., President, Surgeon, Professor of Surgery, and President University Cancer Foundation (Without Tenure), from \$36,500.00 per annum to \$45,000.00 per annum effective March 1, 1972. Dr. Clark will be paid \$26,500.00 per annum from Office of The President (General Funds), and \$18,500.00 per annum from University Cancer Foundation. This increase is requested to compensate Dr. Clark for additional responsibilities which he has assumed in representing The University with the expanded National Cancer Program. (RBC 150)

2. Change in Source of Funds. Robert D. Moreton, M. D., Vice President for Professional and Public Affairs (Without Tenure), from the rate of \$22,000.00 per annum from Office of the President and the rate of \$10,000.00 per annum from University Cancer Foundation to the rate of \$32,000.00 per annum from Office of the President, effective September 1, 1971. The source of funds for this change is the Reserve for Professional Salaries Account. (RBC 152)

3. Change in Source of Funds. Murray M. Copeland, M. D., Vice President University Cancer Foundation (Without Tenure), from the rate of \$16,000.00 per annum from Office of the President and the rate of \$9,000.00 per annum from University Cancer Foundation to the rate \$25,000.00 per annum from Office of the President, effective September 1, 1971. The source of funds for this change is the Reserve for Professional Salaries Account. (RBC 153)

Medical Staff (Medicine)

4. Appointment. Barbara L. Moran, Secretary II, payable at the rate of \$6,168.00 per annum effective December 13, 1971. The source of funds is the Reserve for Classified Salaries Account. (Rev. RBC 128)

Medical Staff (Radiotherapy)

5. Appointment. Carlos H. Fernandez, M. D., Assistant Radiotherapist and Instructor in Radiotherapy (Without Tenure), payable at the rate of \$25,000.00 per annum effective April 1, 1972. Source of funds is the Reserve for Professional Salaries Account. (RBC 151)

6. CORRECTION. Budget Change No. 136 reported as Docket Item No. 4, Page No. A-4 for the April 29, 1972 Board of Regents Meeting should have read Jesus Caderao, M. D., Assistant Radiotherapist and Instructor in Radiotherapy (Without Tenure).

Medical Staff (Surgery)

7. Change in Title. Victor Matalon, D.D.S., from Assistant Surgeon (Prosthodontics) Dental Service to Clinical Assistant Surgeon (Prosthodontics-Maxillofacial), Dental Service (Without Tenure), effective March 1, 1972. There is no change in salary or source of funds for Dr. Matalon. Reference Regents Budget Change No. 67 (71-72). (RBC 145)

8. Change in Title. Joe B. Drane, D.D.S., from Clinical Associate Surgeon (Prosthodontics), Dental Service to Clinical Surgeon (Prosthodontics) and Chief of the Dental Service (Without Tenure), effective March 1, 1972. There is no change in salary or source of funds for Dr. Drane. Reference Regents Budget Change No. 68 (71-72). (RBC 147)

Research (Biochemistry)

9. Appointment. Maria E. Leroux, Research Technician III, payable at the rate of \$8,520.00 per annum from Biochemistry (General Funds) effective March 27, 1972. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 158)

Research (Research Physics)

10. Appointment. Robert C. Goga, Scientific Instrument Maker, payable at the twenty-five percent rate of \$2,730.00 per annum from Research Physics effective January 1, 1972. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 157)

Research (Experimental Anatomical Pathology)

11. Resignation. William M. Conrad, Associate Research Engineer, payable at the rate of \$13,750.00 per annum from National Institutes of Health Grant 5-R01-GM-16229, effective April 6, 1972. (RBC 144)

Research (Developmental Therapeutics)

12. Leave Without Pay. Grady F. Saunders, Ph.D., Assistant Biochemist and Assistant Professor of Biochemistry (Without Tenure), payable at the rate of \$20,000.00 per annum effective May 5, 1972. (RBC 154)

13. Leave Without Pay. Priscilla H. Saunders, Ph.D., Research Associate (Without Tenure), payable at the fifty percent rate of \$7,500.00 per annum from National Institutes of Health Grant NIH-1-P01-CA-12429, effective March 31, 1972. (RBC 155)

Research (Experimental Animals)

14. Appointment. Dale D. Boyd, D.V.M., Associate Veterinarian and Associate Professor of Veterinary Medicine and Surgery (Without Tenure), payable at the rate of \$20,000.00 per annum effective March 28, 1972. The source of funds for this appointment is the Reserve for Professional Salaries Account. (RBC 143)

Research (Computer Science Laboratory of the Institute of Biomathematics)

15. Appointment. Dennis A. Johnston, Ph.D., Assistant Biomathematician and Assistant Professor of Biomathematics (Without Tenure), payable at the rate of \$15,500.00 per annum from National Institutes of Health Grant NIH-9-R01-CA-11430, effective March 13, 1972. (RBC 142)

Patient Care Activities (Medical Social Service)

16. Appointment. Sylvia S. Simon, Secretary I, payable at the rate of \$5,520.00 per annum effective January 25, 1972. The source of funds for this position is the Reserve for Classified Salaries. (RBC 146)

Patient Care Activities (Anatomical Pathology Service)

17. Appointment. Ruby F. Samuel, Cytotechnologist, payable at the rate of \$7,440.00 per annum from Anatomical Pathology Service (General Funds), effective September 1, 1971. The source of funds for this position is the Reserve for Classified Salaries. (RBC 148)

General Services (Police Department)

18. Appointment. Daniel W. Evans, Guard, University Police, payable at the rate of \$6,168.00 per annum effective February 1, 1972. Source of funds is the Reserve for Classified Salaries Account. (RBC 149)

Transfer of Funds

19. Transfer funds as indicated below to the Reserve for Classified Salaries Account to provide funds for personnel actions not previously anticipated. (RBC 156)

TRANSFER FROM

<u>Department</u>	<u>Appropriation Item</u>	<u>Amount</u>
Office of the Director	Reserves for Classified Salaries	\$ 2,000.00
Business Office	" "	
General Accounting	" "	5,000.00
Business Office	" "	
Data Processing	" "	5,000.00
Radiotherapy	" "	5,000.00
Surgery	" "	4,000.00
Grants Administration	" "	4,000.00
Medical Genetics	" "	8,000.00
Research Clinical Pathology	" "	13,000.00
Experimental Pediatrics	" "	4,275.00
Experimental Radiotherapy	" "	3,000.00
Experimental Surgery	" "	3,000.00
Experimental Anesthesiology	" "	10,000.00
Epidemiology	" "	5,000.00
Biomathematics	" "	10,000.00
Office of Education	" "	5,000.00
Publications	" "	5,000.00
Research Medical Library	" "	9,000.00
Anesthesiology Service	" "	15,000.00
Medical Communications	" "	100,000.00
Print Shop	" "	50,000.00
	Total	<u>\$265,275.00</u>

TRANSFER TO RESERVES - RESERVE FOR CLASSIFIED SALARIES \$265,275.00

AMENDMENT TO CLASSIFIED PERSONNEL PAY PLAN

It is recommended that the following revision to the Classified Personnel Pay Plan for The University of Texas Units at Houston be approved for the 1972-73 Personnel Pay Plan. This change has been approved by the System Personnel Director and the Deputy Chancellor for Administration:

<u>CODE</u>	<u>TITLE</u>	<u>SALARY RANGE</u>	
		<u>FROM</u>	<u>TO</u>
1251	Communications Specialist Aide	\$335-439	\$350-439

What is the change?

Respectfully submitted,

for Joe E. Boyd
R. Lee Clark, M. D.
President

THE UNIVERSITY OF TEXAS
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES AT HOUSTON

May 12, 1972

Dr. Charles A. LeMaistre
Chancellor
The University of Texas
Austin, Texas 78712

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas on June 9, 1972:

GIFTS: I recommend acceptance of the following gift and that the appreciation of the Board be sent to the donor by the Secretary. OK

<u>Donor</u>	<u>Purpose</u>	<u>Amount</u>
1. Louis J. Girard, M. D. Executive Director The Institute of Ophthalmology Texas Medical Center 1200 Moursund Houston, Texas 77025	Institute of Ophthalmology Grant for Eye Research	\$10,000.00

BUDGET CHANGES: The following budget changes are submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas on June 9, 1972.

1971-72

GRADUATE STUDIES DIVISION

Office of the Dean

1. Increase in Salary. Mary E. Archer, Registrar, from the rate of \$8,000.00 per annum to the rate of \$9,000.00 per annum effective April 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 21) *mei*

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES CATALOGUE: In accordance with the recommendation of the Faculty and the Dean of the Graduate School of Biomedical Sciences, it is requested that the revised Catalogue be approved for the academic year 1972-73. This Catalogue has been approved by the Vice Chancellor for Health Affairs.

THE UNIVERSITY OF TEXAS
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
AT HOUSTON

CATALOGUE

1972-1973

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S E C T I O N I
A C A D E M I C C A L E N D A R

ACADEMIC CALENDAR

1972-1973

SUMMER QUARTER

June 22	Thursday	Registration for Summer Quarter: A-M.
June 23	Friday	Registration for Summer Quarter: N-Z. Last day for registration without late penalty.
June 26	Monday	Summer Quarter begins.
July 4*	Tuesday	Independence Day - Holiday.
July 7	Friday	Last day to add or drop courses.
September 1	Friday	Last day of classes.
September 4*	Monday	Labor Day - Holiday.
September 5-8	Tuesday-Friday	Summer Quarter final examinations.
September 8	Friday	Summer Quarter ends (no formal exercises).
September 8*	Friday	Fall recess begins - no classes.

FALL QUARTER

September 28	Thursday	Registration for Fall Quarter: A-M.
September 29	Friday	Registration for Fall Quarter: N-Z. Last day for registration without late penalty.
October 2	Monday	Fall Quarter begins.
October 13	Friday	Last day to add or drop courses.
November 22-24*	Wednesday (1 pm)	Thanksgiving Holidays begin.
November 27	Monday	Classes resume.
December 8	Friday	Last day of classes.
December 11	Monday	Registration for Winter Quarter: A-M.
December 12	Tuesday	Registration for Winter Quarter: N-Z. Last day for registration without late penalty.
December 13-15	Wednesday-Friday	Fall Quarter final examinations.
December 15	Friday	Fall Quarter ends (no formal exercises).
December 15*	Friday	Christmas recess begins - no classes.

WINTER QUARTER

January 2, 1973	Tuesday	Winter Quarter begins.
January 12	Friday	Last day to add or drop courses.
March 9	Friday	Last day of classes.
March 12	Monday	Registration for Spring Quarter: A-M.
March 13	Tuesday	Registration for Spring Quarter: N-Z. Last day for registration without late penalty.
March 14-16	Wednesday-Friday	Winter Quarter final examinations.
March 16	Friday	Winter Quarter ends (no formal exercises).
March 16*	Friday	Spring recess begins - no classes.

SPRING QUARTER

March 26	Monday	Spring Quarter begins.
April 6	Friday	Last day to add or drop courses.
April 6	Friday	Final day for supervising committee to approve doctoral dissertation.
April 20	Friday	Final day for supervising committee to approve master's thesis.
May 18	Friday	Last day for Master of Science or Doctor of Philosophy final oral examinations or seminars.
May 28*	Monday	Memorial Day - Holiday.
June 1	Friday	Last day of classes.
June 4-8	Monday-Friday	Spring Quarter final examinations.
June 8	Friday	Spring Quarter ends.
June 10	Sunday	Commencement.
June 10	Sunday	Summer recess begins - no classes.

* Any students receiving financial support from a training or research grant or a fellowship will be governed by rules of sponsoring institution. GSBS students taking courses at affiliated institutions should verify holidays of that institution.

S E C T I O N I I
THE UNIVERSITY OF TEXAS SYSTEM

THE UNIVERSITY OF TEXAS SYSTEM

*BOARD OF REGENTS*Officers

John Peace, Chairman

Frank N. Ikard, Vice Chairman

Betty Anne Thedford, Secretary

Members

terms expire January 1973:

Frank N. Ikard	Wichita Falls
Joe M. Kilgore	Austin
John Peace	San Antonio

terms expire January 1975:

Frank C. Irwin, Jr.	Austin
Jenkins Garrett	Fort Worth
Dan C. Williams	Dallas

terms expire January 1977:

Mrs. Lyndon B. Johnson	Austin
A. G. McNeese, Jr.	Houston
Joe T. Nelson, M.D.	Weatherford

ADMINISTRATION

Charles A. LeMaistre, M.D., Chancellor

Harry Hunt Ransom, Ph.D., Litt.D., L.L.D., Chancellor Emeritus

E. Donald Walker, M.B.A., C.P.A., Deputy Chancellor for Administration

William H. Knisely, Ph.D., Vice Chancellor for Health Affairs

Kenneth H. Ashworth, Ph.D., Vice Chancellor for Academic Affairs

THE UNIVERSITY OF TEXAS AT HOUSTON ADMINISTRATIVE COUNCIL

R. Lee Clark, M.D., Chairman
 President, The University of Texas at Houston
 M. D. Anderson Hospital and Tumor Institute

(Mrs.) Elizabeth Jones, M.S.
 Associate Dean, The University of Texas Nursing School (System-Wide)
 Houston Program

Dan G. Kadrovach, F.A.C.H.A. (Ex Officio)
 Director, The Hermann Hospital

Alfred G. Knudson, Jr., M.D., Ph.D.
 Dean, The University of Texas at Houston
 Graduate School of Biomedical Sciences

The University of Texas at Houston Administrative Council
(continued)

J. V. Olson, D.D.S.
Dean, The University of Texas at Houston
Dental Branch

Cheves McC. Smythe, M.D.
Dean, The University of Texas at Houston
Medical School

Reuel A. Stallones, M.D., M.P.H.
Dean, The University of Texas at Houston
School of Public Health

H. Grant Taylor, M.D.
Dean, The University of Texas at Houston
Graduate School of Biomedical Sciences
Division of Continuing Education

THE UNIVERSITY OF TEXAS AT HOUSTON
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

Administration

Alfred G. Knudson, Jr., M.D., Ph.D.
Dean

Thomas S. Matney, Ph.D.
Associate Dean and Graduate Program Administrator
Division of Graduate Studies

N. Burr Furlong, Ph.D.
Associate Dean for Curriculum Development
Division of Graduate Studies

Margery W. Shaw, M.D.
Director, Medical Genetics Center
Division of Graduate Studies

William J. Schull, Ph.D.
Director, Center for Demographic and Population Genetics
Division of Graduate Studies

Harry G. Sperling, Ph.D.
Director, Neural Sciences Program
Division of Graduate Studies

H. Grant Taylor, M.A., M.D.
Dean, Division of Continuing Education

Tina Bangs, Ph.D.
Acting Director
Division of Communicative Disorders

Joe E. Boyd, Jr., M.B.A., C.P.A.
Administrator

Elmer R. Gilley, B.S.
Business Manager

Mary E. Archer
Registrar

Melva M. Ramsay, A.A.
Assistant to the Dean

THE UNIVERSITY OF TEXAS SYSTEM

History

The act of the Legislature providing for the organization of The University of Texas was passed in 1881. By popular election in September of 1881, the main University was located at Austin with a medical branch in Galveston. Academic and law branches were organized and the University formally opened on September 15, 1883. Various schools, colleges, divisions, and branches have been added subsequently.

The health branches of the University include the Medical Branch at Galveston, opened in 1891; the Dental Branch in Houston, opened in 1906, but not under State operation until 1943; Southwestern Medical School in Dallas, organized as a private school in 1943, and transferred to State control in 1949; San Antonio Medical School, authorized in 1959, with its first students graduated in 1970; San Antonio Dental School, authorized in 1969, with its first students admitted in 1970; and the Medical School at Houston, authorized in 1969, with its first students admitted in 1971. A system-wide nursing school has been in operation since 1967 with units in Austin, Galveston, and San Antonio, and new ones developing at El Paso, Fort Worth, and Houston. Other University of Texas biomedical components in Houston are the M. D. Anderson Hospital and Tumor Institute (1941), the Graduate School of Biomedical Sciences (1963), and the School of Public Health (1967).

The Graduate School of Biomedical Sciences was established by the 58th Legislature of the State of Texas (H.B. 500) in June, 1963. It consists of the Division of Continuing Education, the Division of Graduate Studies, and the Division of Communicative Disorders. A Center for Medical Genetics and a Center for Demographic and Population Genetics were initiated in 1972. The Division of Graduate Studies contains all of the graduate programs leading to the Master of Science and Doctor of Philosophy degrees in biomedical sciences. The new Division of Communicative Disorders was created

in September 1971 by a merger of the privately operated Houston Speech and Hearing Center with the Graduate School of Biomedical Sciences. The School will continue to operate the Center's clinical activities and plans to introduce a broad program of service, education, and research related to communicative disorders and to an active neural sciences program in the Division of Graduate Studies. The School is also affiliated with The University of Texas System's Environmental Science Park* which consists of the Buescher Division, located on approximately 717.3 acres of property partially adjacent to Buescher State Park, and the Camp Swift Division, located on approximately 361 acres at old Camp Swift, Bastrop County, Texas.

* For more information, write to: The Administrative Office, The University of Texas System Environmental Science Park, P. O. Box 20367, Houston, Texas 77025.

S E C T I O N I I I
THE DIVISION OF GRADUATE STUDIES

THE DIVISION OF GRADUATE STUDIES

The purpose of the Division of Graduate Studies of The University of Texas Graduate School of Biomedical Sciences at Houston is to prepare students for careers in research and graduate education in the biomedical sciences through programs leading to the Master of Science and Doctor of Philosophy degrees in biomedical sciences. The School is committed to aiding in the solution of the many unsolved problems of medicine and to educating a next generation which is similarly committed. The primary prerequisite for success in this venture is engagement with these problems.

The faculty of the Graduate School is drawn from a number of university, state and private institutions in The Texas Medical Center. The members of our Graduate Faculty have made every effort to insure ready exchange between the various institutions both to encourage the full participation of all available faculty and to enable graduate students to have the widest possible selection in the design of their individual graduate programs. Each program is designed by the student's immediate advisory committee after the latter is selected during the first academic year. The Graduate School itself has purposely avoided establishing departments as found in the usual university context. However, the faculty as a whole has recognized the existence of special excellence in breadth and depth in certain research areas by encouraging the formation of studies groups. Thus, faculty members with related research interests cooperate to formulate course work, to establish guidelines for student programs, to facilitate student financial support, and to suggest faculty supervisors for students.

Approximately one-half of the Graduate Faculty was, and still is, located at the cancer research facility, The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston. This close relationship persists and is reflected in the fact that of

the 43 students who had received the Ph.D. degree as of June 1972, 37 performed their dissertation research in the laboratories of that institution. M. D. Anderson is a 300 bed hospital and a research institute with over 100 full-time clinical faculty members and over 60 full-time basic science faculty members. Students in the Graduate School have worked in its laboratories in biochemistry, biomathematics, biophysics, cell biology, genetics, microbiology, molecular biology, pharmacology, pathology, and radiation biology.

Another unit of The University of Texas at Houston which has contributed faculty members to the Graduate School and made its laboratories available to the School's students from the beginning is the Dental Branch, which includes the Dental Sciences Institute and the Dental School. A group of more than 20 faculty members from those institutions hold joint appointments in the Graduate School and have supervised thesis research in biochemistry, cell biology, microbiology, pathology, pharmacology, and physiology. Graduate students may also register for courses offered by the Dental School. Several students in the Graduate School have previously been awarded the D.D.S. degree.

The Graduate School looks forward to the continuing arrival of faculty members at the new (1969) University of Texas Medical School at Houston which admitted a class of 32 students in June 1971. These faculty members may be jointly appointed to the Graduate School. The two schools intend to develop a combined M.D./Ph.D. program, utilizing the experience gained by the Graduate School in awarding six Ph.D. degrees to students who had previously earned the M.D. degree. Students in each school may register for courses in the other.

The School of Public Health, established in 1967, awards Ph.D. and D.P.H. degrees in public health. Its programs constitute a broad attack on the problems of medicine. Some faculty members in such fields as epidemiology and biomathematics hold joint appointments in the Graduate School, and students in each school may register for courses in the other.

Another contributor of faculty members and of laboratory facilities for graduate students is the Texas Research Institute of Mental Sciences, operated by the State's Department of Mental Health and Mental Retardation. This large facility, like the components of The University of Texas at Houston, is also located in The Texas Medical Center. Its staff of more than 70 professionals currently includes more than ten individuals who may supervise thesis research on the basis of their joint appointments in the Graduate School of Biomedical Sciences.

Some of the faculty members hold their primary appointments in the Graduate School. The appointment of these individuals is determined largely by the School's programmatic thrust. Certain areas of biomedical research which promise to be very active and productive during the next decade have been identified as appropriate for a large scale effort. Two such areas have been identified to date: medical genetics and neural sciences. The talents already available in these areas in the other institutions are being supplemented by key faculty appointees to the Graduate School, who will work closely with colleagues in the other institutions. The new Center for Medical Genetics is already benefitting from the cooperation of other institutions in The Texas Medical Center, notably M. D. Anderson and the new Medical School. The new Center for Demographic and Population Genetics will operate in close conjunction with the School of Public Health.

The School's Division of Communicative Disorders will continue operation of the Houston Speech and Hearing Center's clinical activities, which are devoted to the diagnosis, education and training of communicatively handicapped children and adults. A nationally known feature of this Center has been its educational program for preschool children. For the future, the Graduate School plans a broad program of service, education, and research related to communicative disorders.

The Graduate School includes also a Division of Continuing Education, which operates an active program for practicing physicians.

This program includes lecture and demonstration courses, conferences, televised programs, and production of audio and video tapes.

To further supplement its faculty, the Graduate School is able to utilize the services of others in The Texas Medical Center. Close cooperation has been extended to the distinguished faculty and staff of Baylor College of Medicine and of the Texas Institute for Rehabilitation and Research. In addition, Baylor College of Medicine and two other nearby institutions, Rice University and the University of Houston, have agreed with the Graduate School to make each other's courses available to students without additional tuition fees.

THE FACILITIES

Offices, Classrooms and Laboratories

The administrative offices, classrooms, student laboratories, student lounge, and some research laboratories are in temporary quarters in the Hermann Professional Building Annex, Suite 109 located at 6410 Fannin, Houston, Texas. As suggested above, the research laboratories available for the conduct of teaching and major investigative activities are among the richest educational resources for graduate training in the United States.

Libraries

Library resources available to the students of the Graduate School of Biomedical Sciences reflect the advantages of the Medical Center setting. There are more than 125,000 books and bound journals, as well as 2500 current scientific journals on file in the Houston Academy of Medicine Texas Medical Center Library and in the institutional collections within the Center. In addition, students have access to the extensive collections at Rice University, the University of Houston, the University of St. Thomas, and the City of Houston libraries.

The Medical Community Television System

The Graduate School of Biomedical Sciences is one of twenty institutions to be linked by the Medical Community Television System, planned to consolidate the vast medical teaching and research resources within the Houston community for enhancement and expansion of medical educational programs in medical center institutions and in community institutions throughout the greater Houston area.

S E C T I O N I V
G R A D U A T E P R O G R A M S

GRADUATE PROGRAMS AND DEGREE REQUIREMENTS

The Division of Graduate Studies has one Ph.D. program in Biomedical Sciences and three M.S. programs (Biological Ultrastructure, Medical Physics, and Nuclear Medicine). Individual master's degree programs may be developed as a portion of the Ph.D. program and by students granted general admission. Additional M.S. programs are being planned in Biomedical Communications and Medical Microbiology.

(Master of Science) Doctor of Philosophy Degree Program

Selection of the Student's Advisory Committee. Since the Ph.D. program is tailored to the individual needs of the student by the student's advisory committee, it is important that the composition of this committee be selected with care. The Graduate Administrator usually names the student's advisor in his letter to the student admitting him into the Division of Graduate Studies. The advisor, together with the Assistant Graduate Advisor responsible for the student's area of study, assists the student in selecting courses and tutorial research experiences during the first academic year. They also advise the student if he should take one or more of the written Ph.D. candidacy examinations prior to commencing the initial Fall Quarter. The selection of tutorial offerings is made at the beginning of each Fall Quarter from a list that describes the research efforts of each professor. An advisory committee is usually appointed after at least three tutorial research experiences have been completed. In this way, each member of this first advisory committee, of three to five members, has been able to appraise the student in his own research environment for at least five afternoons a week for five or ten weeks. Soon after its formal appointment, the advisory committee will decide whether the student should have an M.S. program as part of his preparation for candidacy for the Ph.D. degree.

Core Curriculum. The faculty is of the opinion that one of the best assurances against a premature obsolescence in any biomedical career is the cultivation of a broad interdisciplinary awareness. Initial courses and offerings are presented as core curriculum designed to stimulate this broad awareness. Components of this curriculum designed to be taken in the first year include:

1. Tutorial research experiences. These are required of all students in their first year (H493). Each offering may last for either five weeks (half quarter) or ten weeks. A student must complete three tutorials before formalizing his advisory committee and initiating his thesis research program.
2. A biomedical seminar. This school-wide seminar is held during all quarters, except the summer quarter, and is required of all students throughout their graduate study (H195.1).
3. Introductory studies group courses. Currently these courses are given in six general areas: biomathematics (H494.1), biophysics (H494.3), biochemistry (H494.5), systems biology (H494.2), molecular biology (H494.4), and cell biology (H494.6). The studies group courses are intended to provide an awareness of fundamental principles in various biomedical areas since they are designed by large segments of the total faculty. Passage of these courses is considered equivalent to passage of the corresponding written portion of the candidacy examination. This latter consists of six examinations, covering the above areas and given once each year in September. Students who for any reason do not wish to take a particular course may meet the requirement by passing the corresponding examination. This examination may be taken prior to a student's

first quarter of study in the School. In the event a student does not pass an introductory studies group course, he or she will be required to: (1) repeat the course, (2) write a pertinent section of the candidacy examination, or (3) take such other action as the course instructor may prescribe.

4. General concepts courses. Courses offering broad perspectives in biomedical areas with interdisciplinary emphasis are being designed by the faculty and placed in the core curriculum on the basis of their general applicability and utility. One present offering in this category is entitled Problems of Medicine.
5. An elective course (any graduate course for which the student has prerequisites).

During subsequent years, except for the perspectives seminar, the program is entirely elective, with strong emphasis on dissertation research.

Preparation for the Ph.D. Candidacy Examination. The primary responsibility of the first advisory committee is to direct the student's preparation for the Ph.D. candidacy examination. This includes selection of course work, supervision of an M.S. thesis research program, if desired, and periodic formal conferences with the student to determine his awareness of the principles within the biomedical sciences as they apply to the area of research specialization. All master's programs must follow the general requirements detailed under the section on special master's degree programs.

All students should petition to take the Ph.D. oral candidacy examination during the first two calendar years after admission into the program. The advisory committee will make sure that:

- 1) all deficiencies listed at the time of admission have been absolved,
- 2) the foreign language requirement, if any, has been

absolved, and 3) the student has completed the core curriculum or passed the appropriate written examinations. The committee will assist the student in suggesting faculty names for the Ph.D. examining committee and in petitioning to take the examination. Usually the members of the advisory committee are retained on the examining committee. The other members of the examining committee are suggested with the view towards the contributions they could make if they were to serve on the Ph.D. supervising committee. The Academic Standards Committee determines the final composition of the examining committee. This continuity provides that the advisory committee is increased in numbers in a logical way during the various phases of the student's program and assures that it is completely responsible for the interdisciplinary nature and academic quality of the student's program.

All advisory committees meet formally with the student at least once a quarter and are required to report to the Assistant Graduate Advisor in the student's particular area.

The Ph.D. Candidacy Examination. The examination admitting a student to candidacy for the Doctor of Philosophy degree consists of two parts, written and oral. The written examination, which consists of the six parts noted above, determines the student's competence in selected subjects within the introductory studies group of the core curriculum. All sections of the written examination are to be completed before petitioning for the oral candidacy examination. New students are encouraged to complete any written examinations for which they are already prepared before the Fall Quarter begins.

The charge to the oral examining committee is to determine the student's potential for the successful completion of his or her proposed research for the partial fulfillment of the requirements for the Doctorate. It consists of an oral presentation and defense of a research problem that might be pursued as dissertation research.

A succinct description of this research problem with suitable references should be distributed to the examining committee at least one week prior to the examination. Students are expected to discuss the research problem thoroughly with their advisory committees prior to examination.

The results of the examination may be: 1) that the student passes unconditionally, 2) that the student passes conditionally, with the conditions stipulated, i.e., that he or she take a specific course or satisfactorily perform a special project, 3) that the student must take a different type of examination at some future date before the examining committee will render a decision, or 4) that the student fails. If the student fails the examination, the examining committee has decided that the student does not have the potential to complete the Ph.D. program, and the student is automatically dropped from the program, although he may petition the Academic Standards Committee for readmission into the program.

The Academic Standards Committee is fully cognizant of the singular nature of the graduate degree programs. Special procedures for exceptional students may be obtained by petition of the Dean who may refer the student's request to the Graduate Administrator and the Academic Standards Committee for their recommendations.

Selection of Supervising Committee and Preparation of the Program of Work. Upon receipt of the recommendation of the Academic Standards Committee, the Graduate Administrator will appoint a new advisory committee which will function as the student's supervising committee. In most cases, the composition of the examining committee is retained as the supervising committee. The first function of the supervising committee is to approve the proposed dissertation problem and to identify any course work which it feels is germane to the student's interests. This program of work is formalized and submitted to the Graduate Administrator for his approval. The student is then formally admitted into candidacy for the Ph.D. degree on that program of work. Since these are specific programs,

tailored individually for each student, it is important to realize that a student cannot be considered as a candidate for a degree until this program of work has been officially approved.

From the date the candidacy examination is passed, the student should complete all requirements for the Ph.D. degree within two years. Extensions of this time will be granted upon petition of the Graduate Administrator by the supervising committee.

Completion of Requirements for Degrees. After a copy of the dissertation is presented to the members of the supervising committee for their final approval, the doctoral candidate will arrange with the Office of the Dean to present a public seminar during which the candidate presents the salient findings of his research and demonstrates his broad knowledge of biomedical sciences. The Academic Standards Committee encourages the Dean to invite at least one reviewer from institutions other than those of The University of Texas at Houston to render an opinion as to the doctoral candidate's presentation. This opinion becomes a part of the doctoral candidate's permanent file in the offices of The University of Texas Graduate School of Biomedical Sciences at Houston.

Special Master of Science Degree Programs

The Graduate Faculty has designed three Master of Science programs in the areas of biological ultrastructure, medical physics, and nuclear medicine. Each program is administered by a standing committee which is responsible for admissions, funding, teaching, and finally advising the Dean when a student has satisfied all requirements for the degree. Application is to be made directly to the address listed under each program.

The M.S. program of work will consist of the usual 45 quarter hours of pertinent work of which no more than nine quarter hours may be counted as "thesis." The list of courses and description of the proposed thesis research, when approved by the advisory committee, is submitted as a formal petition to candidacy for the

master's degree program. When signed by the Dean, the advisory committee automatically becomes the official supervising committee. The request form for the final oral examination should be submitted to the Office of the Dean along with the correct title and brief resume of the thesis no later than two weeks prior to the date of the scheduled final oral examination. The date of the final oral examination should be scheduled at least three weeks before the close of the Spring Quarter. Upon satisfactorily completing the final examination the student should submit the original and one bound copy of the thesis to the Office of the Dean and sign the diploma name card.

Master of Science (Biological Ultrastructure). This program is designed to provide advanced training in tissue, cell, and subcellular ultrastructure. Students completing the curriculum will be competent in the operation, maintenance and supervision of instruments and facilities used in ultrastructure studies, particularly the electron microscope. Courses in physiology, genetics, cell biology, and molecular biology provide the student with sufficient knowledge to permit the design and interpretation of research in the field of biological ultrastructure. It is anticipated that students entering the program will terminate their studies with the M.S. degree and accept advanced technical positions in electron microscope laboratories.

Prerequisites: A baccalaureate degree from an accredited United States or foreign institution with a grade point average of at least 2.0 (on a 3.0 system) on all work of junior level or above. It is anticipated that the student will have an undergraduate major in biology, chemistry, physics, or related fields. In addition, mathematics, including algebra and trigonometry, is required. The aptitude tests and one advanced test of the Graduate Record Examination must be completed prior to admission.

Length of Study: A period of not less than 24 months is generally required.

Course Work:

<i>Required Courses</i>		Quarter Hours
H192.14	Cytology Seminar	1
H287.22a,b	Tissue and Cell Culture	4
H387.25	Principles of Histochemistry	3
H487.3	Cell Biology	4
H487.26	Biological Ultrastructure I Methods in Electron Microscopy	4
H487.27	Biological Ultrastructure II Interpretation of Ultrastructure	4
H489.4	Basic Electronics and Instrumentation	4
H998a,b,c	Thesis	9

Elective Courses

H387.5	Advanced Mammalian Physiology	5
H387.6	Medical Genetics	3
H387.8	Molecular Genetics	3
H487.9	Virology	3
H487.12	Neuroanatomy	6

Other courses as recommended by the student's advisory committee.

Further information may be obtained by writing to:

Chairman, Master of Science (Biological Ultrastructure)

Program

The Electron Microscope Laboratory

Department of Biology

The University of Texas at Houston

M. D. Anderson Hospital and Tumor Institute

6723 Bertner Avenue

Houston, Texas 77025

Master of Science (Medical Physics). Preparation for professional and teaching careers in medical physics is offered in a twenty-four month program for those who have a baccalaureate degree in the physical

sciences. The use of radiation for diagnosis and therapy is emphasized in this course of study. In addition to time in course work, approximately five months are spent in preceptorship learning the applied aspects of physics in therapeutic radiology, diagnostic radiology and nuclear medicine. Students usually prepare for certification in radiological physics by the American Board of Radiology.

Prerequisites: A bachelor's or master's degree in physics or mathematics with a minor in mathematics, physics, or chemistry is required. Students must meet the qualification in regard to grade points and Graduate Record Examination that are required by The University of Texas Graduate School of Biomedical Sciences at Houston.

Length of Study: A period of 24 months is required as a general rule.

Course Work: A typical (but not prescribed) program follows:

<i>Required Courses</i>		<i>Quarter Hours</i>
H192.15	Seminar in Medical Physics	1
H288.6a,b	Advanced Radiation Physics	4
H288.7	Physics of Radioisotopes and Nuclear Medicine	2
H385.1	Biomedical Statistics	3
H388.4	Radiation Biology	3
H388.5	External Beam, Interstitial and Intracavitary Dosimetry	3
H489.4	Basic Electronics and Instrumentation	4
R540a,b*	Nuclear Physics	6
H998a,b,c	Thesis	9

Elective Courses

A total of 10 quarter hours is required

Thesis Subject: Thesis subjects are usually of an applied nature, but are always original work. For example, the measurement

* Rice University

of radiation beams by calorimetry, the computation of radiation doses within patients treated by radiation therapy utilizing computer methods, or the energy response of solid state dosimeters might be suitable problems.

Teaching Experience: Students are expected to do a considerable amount of teaching during the two-year period. They present seminars, give one-hour lectures, and supervise several laboratory experiments.

Papers: Students are encouraged to publish the results of their research.

A number of fellowships, limited to U. S. citizens or to permanent residents of the United States, are available to those who qualify for admission. Applicants will also be encouraged and aided in the preparation of applications to granting agencies for fellowships in their own names; frequently these will require sponsorship of the student by the School. Further information may be obtained by writing to:

Chairman, Master of Science (Medical Physics) Program
Department of Physics
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute
6723 Bertner Avenue
Houston, Texas 77025

Master of Science (Nuclear Medicine). Nuclear Medicine is the scientific and clinical discipline concerned with the diagnostic and therapeutic use of radiopharmaceuticals. Basic scientists, pharmacists, and physicians may prepare for careers in nuclear medicine in a twenty-four month program for those holding a baccalaureate or higher degree. The area of interest of this program includes development of radionuclide techniques and concepts related to the use of radiopharmaceuticals in humans for the diagnosis and treatment of disease and in clinical research. New information and technology in this subject are expanding rapidly, and there is

a growing need for investigators and practitioners who are educated in the fundamentals involved and who have had training in the objective approach to applying new knowledge.

Prerequisites: The student should have a bachelor's or master's degree in the basic sciences or pharmacy, or the M.D., D.D.S., D.V.M., or Ph.D. degree. Students must meet grade point and Graduate Record Examination requirements of The University of Texas Graduate School of Biomedical Sciences at Houston.

Length of Study: A period of 24 months is generally required.

Course Work: A typical program follows.

Required Courses

		Quarter Hours
H192.24	Isotopes and Nuclear Medicine Seminar	1
H288.7a,b	Physics of Radioisotopes and Nuclear Medicine	4
H288.9	Introduction to Nuclear Medicine	2
H385.1&.2	Biomedical Statistics	6
H388.8a,b	Principles of Radiopharmaceuticals	6
H489.4	Basic Electronics and Instrumentation	4
H998a,b,c	Thesis	9

Elective Courses

Physiology, anatomy, biochemistry, advanced radiation physics, nuclear physics, etc., for a total of 13 quarter hours.

Thesis Subject: A thesis will be required of all candidates. The subject chosen may be either of a theoretical or experimental nature. Metabolic studies using radionuclides, design and preparation of new radiopharmaceuticals, quantitation of scanning images, determination of new parameters to characterize scanning equipment, or radionuclide image filtering are examples of suitable problems.

Practical Experience: In addition to taking course work, the student will participate as a fellow or research assistant at The

University of Texas M. D. Anderson Hospital and Tumor Institute at Houston in some capacity suitable to his background and interests.

Physicians will serve as fellows or project investigators in the Department of Medicine, where they will learn clinical nuclear medicine by active participation in the care of patients. This consists of work-up of patients referred to the Clinical Radioisotope Laboratory for diagnosis and therapy, interpretation of procedures and evaluation of results of therapy. At least one year will be spent at The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston. The second year of clinical training may be spent partly or completely at a nearby affiliated hospital with a more general patient population.

Basic scientists will serve as fellows or research assistants in the Departments of Medicine or Physics, where they will participate in the research and development of the physical and chemical aspects of radionuclide studies in patients. Part of their training will involve work in the Clinical Radioisotope Laboratory and Whole Body Counting Laboratories, where they will learn the techniques of radiation measurements for diagnostic purposes.

All trainees will spend time in the Radiopharmaceutical Laboratory at The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston learning procedures for the development and preparation of radiopharmaceuticals for use in animals and humans.

Numerous fellowships are available to those who qualify for admission. Applicants will be given assistance in the preparation of applications to outside granting agencies for fellowships in the applicant's name (frequently these require sponsorship of the student by the School).

Further information may be obtained by writing to:

Chairman, Master of Science (Nuclear Medicine) Program
Department of Medicine
The University of Texas at Houston
M. D. Anderson Hospital and Tumor Institute
6723 Bertner Avenue
Houston, Texas 77025

Individual Master of Science Degree Programs

An individual M.S. program may be tailored to the needs of any student. The construction of this type of program involves three faculty members assisting the student in formulating a program of work which includes a thesis research project and a list of pertinent course work.

S E C T I O N V
I N F O R M A T I O N F O R S T U D E N T S

ADMISSION

General Requirements for Admission into the (M.S.) Ph.D. Program

Applicants for the special master's programs should consult those programs for their special entrance requirements.

Applicants must have a bachelor's degree or its equivalent from an accredited institution as the first prerequisite for admission. All applicants must have a background in the basic sciences which includes:

Biology - a minimum of one year

Biochemistry - a minimum of one semester

Calculus - a minimum of one year

General Chemistry - a minimum of one year

Organic Chemistry - a minimum of one year

Physics - a minimum of one year (preferably a course utilizing calculus)

Applicants are required to have a grade point average of 2.0 on a scale of 3.0 on all upper division junior, senior, and graduate level work taken previously and grades of "B" or better on all courses listed above.

Applicants are required to take the Graduate Record Examination, including the quantitative and verbal aptitude sections. An Advanced Test is strongly recommended, but is not required. Applicants should be advised that the Admissions Committee concerns itself primarily with those students whose scores are above the sixtieth percentile.

The ability of a foreign student to communicate in the English language is judged on the same basis as a domestic student; accordingly, we do not require the Test of English as a Foreign Language (TOEFL).

Admission Procedure

The chairmen of the standing committees for the special master's degree programs will admit students into their respective programs. The Graduate Administrator will admit all other students

into the Division of Graduate Studies to pursue the (M.S.) Ph.D. program, or on a non-degree (general admission) basis. In the official letter of admission, the Graduate Administrator will site: 1) the conditions of admission, if any, 2) the name of the faculty member who will serve as the student's sponsor, and 3) the financial support available to the student. Only on rare occasions will an applicant be admitted into the Division of Graduate Studies without financial support. After the student signifies that he accepts his admission to our school, the appointed advisor, with the assistance of the appropriate Assistant Graduate Advisor, will help the student plan his first year of academic work.

How to Apply

Persons who meet the above requirements should request an application form from:

Office of the Registrar
The University of Texas at Houston
Graduate School of Biomedical Sciences
P. O. Box 20367 Astrodome Station
Houston, Texas 77025

A formal application consists of the following:

- 1) A completed application form.
- 2) One complete certified transcript with all scholastic records of university work.
- 3) Results of the Graduate Record Examination Aptitude Test (the Advanced Test is recommended, but not required). Scores from the Graduate Record Examination must be sent directly from the Educational Testing Service to the Office of the Registrar at the above address.
- 4) A letter from the applicant stating his objectives, area of interest, professional goals, and reason for being interested in the Graduate School of Biomedical Sciences.

- 5) Three letters of recommendation from persons qualified to evaluate the applicant's past scholastic performance, scientific abilities, research interests and talents, motivation, and personal performance.
- 6) Completion of the Medical History/Physical Examination form by a licensed physician; last physical exam must have been within the past six months, chest x-ray must not be more than 60 days old, and immunization for DPT within the last ten years is required.
- 7) A personal interview, whenever practicable, with members of our faculty in Houston or graduates of the School located in the applicant's vicinity.
- 8) A \$10 non-refundable application fee.

All of the above items are to be sent directly to the Office of the Registrar.

Deadlines for Submission of Applications

Applications must be completed and submitted to the Office of the Registrar prior to the beginning date of the preceeding quarter, as listed on the academic calendar. Individuals desiring to apply for scholarships from federal agencies should submit their applications ten months prior to the fall quarter in which they plan to start their graduate work.

Application for Combined M.D./Ph.D. Program

Applicants must be accepted into The University of Texas Medical School at Houston to pursue the M.D. degree program and into the Ph.D. program at the Graduate School of Biomedical Sciences in order to qualify for a combined degree program. Students enrolled in either program, individually, may apply for the combined degree program by requesting admission to the other institution.

Enrollment of Graduate Students from Affiliated Institutions

Through reciprocal agreements, students at other components of The University of Texas System, as well as graduate students

from Rice University, Baylor College of Medicine, and the University of Houston, may take courses for credit at the Graduate School of Biomedical Sciences, and graduate students in our school may take courses for credit at any of the above institutions. No tuition or registration fee is charged by these schools for attendance by our students. Students from these schools may, in turn, take courses at the Graduate School of Biomedical Sciences with charges for tuition or registration being made by the parent institution.

Admission on a Non-Degree (General Admission) Basis

Individuals may apply for admission to the Division of Graduate Studies on a non-degree basis by addressing a letter of intent, stating their overall goals, to the Graduate Administrator. These applicants must also submit one complete certified transcript of all scholastic records of university work, plus names of three persons for references (including present supervisor, if appropriate). Applicants desiring admission to the (M.S.) Ph.D. degree program, but applying too late for enrollment in a particular quarter, may be permitted to take courses on a non-degree basis until such time that the application is complete and reviewed by the Admissions Committee.

Classification of a Non-Resident

A non-resident student is a student who has not resided in the State of Texas for one year or more before becoming a student. A student employee (half-time or more), whose work is related to his graduate program, may pay tuition at resident rates. A student also qualifies for resident tuition rates when his spouse is employed by a State institution of higher learning or when he marries a legal resident of the State.

Selective Service

Students are privileged to request deferment from military service, but the Selective Service Local Boards have the responsibility for classification and for action on requests for deferment. Under

present regulations, the Board's determination is final, subject to appeal. The appeal must be made within ten days of the Board's notice of reclassification. Each student is personally responsible to his Board and is expected to keep the Board informed at all times of his whereabouts and activities.

FEEES AND EXPENSES

Registration and Tuition Fee

Students are not entitled to enter class or laboratory until fees have been paid. All fees are payable in full at the time of registration. *All* students will pay tuition and fees according to the following schedule. For tuition purposes, there are three categories of students: Texas residents, non-residents, and foreign nationals (alien).

<u>Quarter Hours</u>	<u>Resident Students</u>	<u>Non-Resident Students</u>	<u>Alien Students</u>
12 Hours	\$33.00	\$320.00	\$133.00
11 Hours	33.00	293.00	133.00
10 Hours	33.00	267.00	133.00
9 Hours	33.00	240.00	133.00
8 Hours	33.00	213.00	133.00
7 Hours	33.00	187.00	133.00
6 Hours	33.00	160.00	133.00
5 Hours	33.00	133.00	133.00
4 Hours	33.00	107.00	133.00
3 Hours	33.00	80.00	133.00
2 Hours	33.00	53.00	133.00
1 Hour	33.00	26.67	133.00

The non-resident student is required to register for all courses set forth by his advisory committee at \$26.67 per quarter hour. There is no minimum. Resident students who register for more than 12 hours

will pay \$2.67 per quarter hour above the minimum. Alien students who register for more than 12 hours will pay \$9.33 per quarter hour above the minimum.

All of the fees listed are subject to change without notice.

Fees and Charges (per quarter)

Course Audit Fee	\$ 5.00
Insurance Fees:	
Kelsey-Seybold Student Health Clinic Program	
Student	7.50
Spouse	7.50
Prudential Health Insurance*	
Student	10.46
Student and Dependents	18.31
Laboratory Fees: (per course)	
1 - 3 quarter hours	2.00
4 - 6 quarter hours	5.00
over 6 quarter hours	8.00
Late Registration Fee	5.00
Registration <i>In absentia</i> :	
Resident	15.00
Non-resident	18.50
Alien	18.50
Thesis or Dissertation Fee:	
Resident	8.00
Non-resident	33.00
Alien	33.00
Graduation Fee	32.25
Microfilming of Dissertation	20.00
Transcripts (each)	1.00

* Premiums are made payable to the UT GSBS Student Association on a *monthly* basis.

Refund of Tuition Fees

Upon presentation to the Registrar of a receipt showing payment of fee(s), any student withdrawing officially from The University of Texas Graduate School of Biomedical Sciences at Houston will receive a refund of fees on the following basis:

During the first week of class work	60%
During the second week of class work	50%
Thereafter	None

A check covering the amount due will be mailed to the student's forwarding address.

A student who enters any quarter not yet knowing the grades received in the previous quarter, and who subsequently is required to withdraw because of failure in the work of the previous quarter, will receive a refund of all registration and tuition fees for the present quarter.

GENERAL REGULATIONS

Each student follows the procedures described under his degree program. Each student completes degree requirements in accordance with the catalogue in effect at the time he enters the Graduate School of Biomedical Sciences, or, should he choose, the catalogue of any subsequent year in which he is in residence.

Residence

The minimum residence requirement for any degree is three quarters or the equivalent, which need not be consecutive. A graduate student may register for certain courses without being resident (physically present); these include thesis and dissertation courses.

In absentia registration is an arrangement made by the candidate's advisory committee for him to complete any portion of his degree program off campus. When a student is not enrolled on the Graduate

School of Biomedical Sciences campus, but taking a course or courses for credit at another institution, he will be charged a nominal *In absentia* fee.

Registration

Official registration for students must be completed in accordance with the time indicated on the student calendar or as amended by the Dean. Registration is not complete and the student is not entitled to Graduate School privileges until all fees for the coming session are paid. Pre-registration usually occurs two weeks prior to the final registration. Its purpose is to allow the Registrar to determine the number of students desiring to take each course offered and to allow time for computing the registration fees.

Minimum and Maximum Course Load

The normal maximum course load for a graduate student is fifteen quarter hours; registration for more than fifteen quarter hours must have the special consent of the Graduate Administrator and will be permitted only under exceptional circumstances. A minimum course load for a student to be classified as a full-time student is twelve quarter hours. If the full-time student is employed by The University of Texas as a teaching assistant, research assistant, or student assistant, he is usually paid as a half-time employee.

A part-time student may register for three hours of course work, as well as for the Master's Thesis course (H998a,b,c), and still be paid as a full-time employee, provided that his work supervisor signs a statement that the course is beneficial to his employment. If the part-time student registers for four hours or more, then he is paid for the number of hours per week which remains when the course load is subtracted from 40.

Grades and Grade Point Averages

Credit is given in the Graduate School of Biomedical Sciences for the grades A, B, and C. Computation of grade point averages is based on a 3.0 system. In some courses, e.g. most seminars, the standard grading system is not practicable, and in these credit is designated as pass (P) or fail (F). The symbol X, reported in cases where the student has not completed all the assignments in a course before its conclusion, is valid for one quarter. Before the end of this time the student must turn in the required work for a regular grade. Under unusual circumstances the student may apply, through his instructor, for *one quarter* extension of the X period, which can be granted by the Graduate Administrator. Otherwise, the X is changed automatically to an F. The symbol Q is recorded when a student drops a course within a prescribed time period after registration. The symbol W is given when a student withdraws, at any time, from a course with the consent of the instructor, if the student has a satisfactory course performance to the date of withdrawal. In such circumstances, the student is considered to be able to withdraw from the Graduate School in good standing. The symbol WF is given if the student has an unsatisfactory course performance to the date of withdrawal. The symbol R is recorded when a student is eligible for re-examination. Upon re-examination the grade is recorded. "In Progress" is recorded for thesis and dissertation until the termination of the course, at which time a final grade and hours credit will be given.

Credit for Teaching

Courses taught by students upon request of the faculty, but not as part of the students' degree program, will be recorded on the students' permanent record card, but no tuition will be paid. Courses taught by students will be recorded on the transcript with the course number followed by "T."

Continuation in the Graduate School

Full-time registration in the Graduate School beyond the first quarter is dependent on two main factors: 1) satisfactory progress in absolving any admission conditions that were imposed; all admission deficiencies must be removed before petitioning to candidacy for any degree and 2) satisfactory performance in all work as determined by the student's advisory committee. Students should not expect to be permitted to remain in graduate school if low course grades or poor research work continue for two consecutive quarters. A student is expected to petition to candidacy for his desired degree within one calendar year after admission to the Graduate School of Biomedical Sciences as a full-time student, or after completing an equivalent amount of course work.

The graduate student who has been dismissed may petition the Academic Standards Committee for readmission. This group will evaluate the case and make recommendations to the Graduate Administrator.

Thesis and Dissertation

Once eligible, the student must register for thesis (H998a,b,c) or dissertation (H999a,b,c) continuously, including the summer quarter, for a minimum of three quarters. Credit hours are given only after completion of the "c" portion of both thesis and dissertation. When Texas residents and aliens have completed course work prescribed by their advisory committees, they may register for thesis or dissertation only and pay only \$8.00 or \$33.00 per quarter, respectively.

Time Limits

All requirements for the M.S. degree program must be met by full-time students within two calendar years. A student must complete all requirements for the Ph.D. degree within two calendar years after petitioning for candidacy. A student in the (M.S.) Ph.D. degree program must complete all requirements for the degree within five calendar years after matriculation. All time computations are based on four quarters per calendar year. A student may petition

the Academic Standards Committee for an extension of this time.

Graduation

Degrees are awarded at the end of each quarter, but formal public ceremonies are held only at the spring commencement. All candidates, including those actually awarded their degrees in the preceding four quarters, are urged to attend commencement exercises. Since Ph.D. and M.S. degrees are conferred individually, it is requested that all candidates be present for the ceremony of investiture.

OPPORTUNITIES

Graduate Student Association

The Graduate Student Association of The University of Texas Graduate School of Biomedical Sciences at Houston has as its purposes the provision of a student forum for discussion of common needs, the aim to work cooperatively with the faculty to build a recognized and respected institution, and to develop student fellowship and social activities. The membership includes all active degree students and associate non-degree students. There are six standing committees:

- S. S. Arnim Award Committee
- Curriculum Committee
- High School Teacher Workshop Committee
- Social Events Committee
- Student Review Workshop Committee
- Teaching Assistantships Committee

The Association has a responsible position in the operation and development of the Graduate School of Biomedical Sciences, and it performs an important function as the official organization representing the student body.

The S. S. Arnim Award Committee selects the outstanding exhibitor in biomedical sciences at the regional high school

science fair. The recipient is presented with a plaque and is given a subscription to *Scientific American* or a book of his choice.

The students conduct annually a review program for new students in subjects involved in the core curriculum.

The High School Teacher Workshop Committee is involved with organizing a course in the advances of biomedical science for high school science teachers. This course is taught by the students during the summer quarter; it lasts two weeks and is taken for graduate credit.

Some of our students are employed as teaching assistants and tutors at other institutions of higher learning in the Houston area.

Student Health Services

Students are asked to either secure the services of a licensed physician in Harris County or to register in a prepaid out-patient service operated by the Kelsey-Seybold Clinic for \$7.50 per quarter. The student's spouse is eligible to register in the out-patient clinic for an additional \$7.50 per quarter. Gynecological, obstetrical and pediatric services are not included. The clinic operates a sick call service daily Monday through Friday from 10:30 to 11:30 a.m. Prepackaged medicines are dispensed by the attending physician. In addition, x-ray examinations, prescriptions and laboratory tests may be obtained by the student at employee costs through The University of Texas M. D. Anderson Hospital and Tumor Institute upon request by the attending physician at Kelsey-Seybold (or the student's private physician).

Living Arrangements

A thirteen floor residence hall for male and female students, interns, and residents in The Texas Medical Center is owned and managed by:

Texas Medical Center Housing, Inc.
 406 Jesse H. Jones Library Building
 Texas Medical Center
 Houston, Texas 77025

Persons eligible to live in the residence hall include medical students, dental students, graduate students, interns, residents, and single and married junior faculty members associated with one or more of the institutions of higher learning in The Texas Medical Center. Applications should be made as soon as possible since apartment assignments are on a first-come/first-serve basis.

In addition to the Texas Medical Center Housing facility, there are many apartments and private accommodations nearby. A special housing project for The Texas Medical Center is:

Dormitories, Inc.
 4459 North MacGregor
 Houston, Texas 77004

This dormitory-type project is located approximately ten minutes driving time from the Center. Transportation can be provided, if necessary, at no extra cost.

Some students may be interested in a housing arrangement offered by the Veteran's Administration Hospital, which is also nearby the Center. For working in a VA laboratory, the VA will provide a student with room and board in their housing facility.

Houston

Location of the Graduate School of Biomedical Sciences in Houston is a major asset for a number of reasons, most important being a combination of extraordinary research opportunities in The Texas Medical Center with its many hospitals and research institutes and the existing strong biomedical educational resources of The University.

More than this, Houston, sixth largest and fastest growing major city in the nation, is young and dynamic with the average age of its more than one and a quarter million residents less than 26 years. It is a leading financial, commercial and industrial center with a balanced economy based on agriculture, ranching, shipping, petrochemicals, oil tool production and manufacturing.

Third largest seaport in the country, home of the Manned Space effort and growing international air traffic center, Houston is developing a cosmopolitan flavor which embraces a variety of cultures and languages. The Museum of Fine Arts and the Contemporary Arts Museum are complimented by the Rice University's Institute for the Arts and experimental Media Center and numerous private galleries. The world-famous Alley Theatre is one of several places in the area where "live theatre" is performed by professional, university or suburban theatre groups. Jones Hall for the Performing Arts is not only home for the distinguished Houston Symphony and the Grand Opera Association, but its facilities attract a broad range of concerts and road shows. Houston's Astrodome attracts major league baseball and football and a variety of other events year round. The mild climate and nearby parks, lakes, and beaches offer opportunity for all participation sports.

Membership in Professional Organizations

Several professional societies feature yearly meetings at which students pursuing graduate studies may submit and present research papers. Some societies have monthly meetings featuring outstanding local or national speakers on topics of current interest. Since many students may want to become active in one or more of these professional societies, the following information has been compiled:

American Association for Cancer Research--Southwest Section:

Students are eligible for associate membership; student research presentations at annual meetings are welcomed.

Contact Dr. A. C. Griffin at The University of Texas

M. D. Anderson Hospital and Tumor Institute.

American Society for Cell Biology: Students can be nominated for membership, at half price dues, for a period up to three years. Privileges of membership include presentation of papers at national meetings and half price subscription to the *Journal of Cell Biology*. Contact Dr. T. C. Hsu at The University of Texas M. D. Anderson Hospital and Tumor Institute.

American Society for Microbiology--Texas Branch: Student members are welcome and eligible to present papers at two meetings annually. Student dues are \$1 per year. Contact Dr. Manley Mandel at The University of Texas M. D. Anderson Hospital and Tumor Institute.

American Society of Zoologists: Student member dues are \$5 per year which includes quarterly subscription to the *American Zoologist*. Services in the Division of Developmental Biology include a quarterly newsletter and a placement service. Contact Dr. David Wright at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Sigma Xi Research Honorary Society: Students must be nominated for membership in the Rice-Medical Center Chapter; M.S. or Ph.D. students are eligible. Monthly luncheon meetings are featured. Contact Dr. Colleen Moore at The University of Texas M. D. Anderson Hospital and Tumor Institute.

South-Central Photobiology Group: Joint meeting with Texas Association for Radiation Research. Students are eligible for membership and may make presentations at annual meetings. Contact Dr. Ronald Humphrey at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Texas Association for Radiation Research: Joint meeting with South-Central Photobiology Group; students are eligible for membership and may make presentations at annual meetings. Contact Dr. Ronald Humphrey at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Texas Medical Center Research Society: This is a group within our own academic medical community which sponsors monthly or semi-monthly seminars. Membership is open to staff and students. Contact Dr. Antonio Orengo at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Texas Society for Electron Microscopy: Students are eligible for membership and may submit papers for the annual meetings. Contact Dr. B. R. Brinkley at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Many other national professional societies, including those listed below, offer students special membership privileges and rates:

The American Chemical Society: Contact Dr. Earl Walborg at The University of Texas M. D. Anderson Hospital and Tumor Institute.

The American Physical Society: Contact Dr. Peter Almond at The University of Texas M. D. Anderson Hospital and Tumor Institute.

The Biophysical Society: Contact Dr. Allen T. Ansevin at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Genetics Society of America: Contact Dr. Margery Shaw at The University of Texas M. D. Anderson Hospital and Tumor Institute.

Financial Support

The following sources of tax-free money are available to our students, as indicated on the table below. In addition, part-time employment is available. When a student works half-time or more and the work is related to a graduate program, the student is considered a resident for the purpose of tuition.

By a ruling from The University of Texas System Board of Regents, the total number of hours a student is paid for per week plus the total number of hours a student is registered for cannot exceed 40. In actual practice, the student is usually hired as a research technician on a half-time basis and receives in the vicinity of \$3600 to \$3900 per year, which (after taxes) makes his income comparable to that of a scholarship or fellowship fund. Only degree program students are eligible to receive scholarship or fellowship funds.

Technicians who have the approval of their supervisors and are employed in the University system may take three quarter hours of course work for credit and still receive pay for a full 40 hour week. Students registering for more than three quarter hours must subtract the number of registered hours from 40, and they may be paid for the difference. The part-time student may register for three hours of course work and the master's thesis without a deduction in pay.

Applicants with clinical laboratory experience are encouraged to seek part-time employment at Hermann Hospital and should contact Dr. Doris Ross, Associate Director of Clinical Laboratories and Biochemist, Department of Biochemistry, The Hermann Hospital, Houston, Texas 77025.

FINANCIAL SUPPORT TABLE

<u>Source</u>	<u>Stipend</u>	<u>Tuition Paid</u>
American Legion Scholarship	\$3600	No
Biology Department UT M. D. Anderson Training Grant	\$2400-2800*	Yes
Physics Department UT M. D. Anderson Training Grant	\$2400-2800*	Yes
Radiology Department UT M. D. Anderson Training Grant	\$2400-2800*	Yes
Rosalie B. Hite Fellowship	\$3000-3400	Yes
State Fellowship UT GSBS	\$2300	No
State Fellowship Texas Research Institute of Mental Sciences	\$4200	No
Welch Grants	\$3600	No

* Additional allowance of \$500 for dependents.

S E C T I O N V I
C O U R S E S O F I N S T R U C T I O N

COURSES OF INSTRUCTION

The legislative act which established The University of Texas Graduate School of Biomedical Sciences at Houston authorized specifically the Board of Regents of The University of Texas ". . . to prescribe courses and conduct graduate and postgraduate programs at the master's and doctoral levels in the sciences and other academic areas directly related to medical education . . ." It also forbade operation of the school as a general academic graduate school. In accordance with this act, and the experience gained with those students and faculty engaged in graduate study and research in The University of Texas at Houston units, the present curriculum has evolved. It is the chief purpose of this curriculum to offer a new kind of educational opportunity for talented graduate students who intend to become teachers and creative investigators in the rapidly developing field of medically oriented sciences. The most effective teachers and researchers of tomorrow will be those who have mastered in depth a given biomedical specialty and in addition are well grounded in the principles, precepts and language of the biomedical disciplines in general.

Course Offerings

General Statement. Course offerings at The University of Texas Graduate School of Biomedical Sciences at Houston are made by a Curriculum Committee which requests faculty members to submit proposed courses with descriptive outlines prior to the opening of each school year. The courses are recommended to the Graduate Faculty for approval. The list is circulated to faculty and students for pre-registration. The courses are given when enough students indicate the need by signing up for the course at pre-registration. All courses are not given each year, but are presented often enough to meet the needs of graduate study programs. The final announcement of courses to be given is made before the opening of each quarter.

Course Numbers

Course numbers follow the plan described in the General Information Catalogue, No. V, page 59, of The University of Texas at Austin. Each course is designated by letters and numbers. Those offered by The University of Texas Graduate School of Biomedical Sciences at Houston are prefixed by a capital "H." The left hand digit indicates the credit value of the course in quarter hours. The two digits following give the rank of the course. Graduate courses are numbered 80-99. A zero as the first digit of a course number means the course is non-credit. Courses that continue through more than one quarter are labelled with a lower case 'a' for the first quarter, a "b" for the second, and a "c" for the third.

The courses are described below in groups which correspond to the current introductory study group areas. Many courses are also cross-referenced for convenience.

Course Descriptions

Courses of the General Faculty

H493 *Tutorial Research Experiences.* Furlong, Chairman.
4 qtr hrs. Fall, Winter, Spring annually. Enrollment required for all students during the first 3 quarters of residence.

Students participate in given research laboratories for an equivalent of 5 afternoons per week throughout the year. The student, in consultation with his sponsor and graduate advisor, will select the research areas which best support his educational program. Students spend either 5 or 10 weeks in each laboratory, and at least two of the sessions should be in laboratories outside of the major areas of specialization.

H91 *Research in Biomedical Sciences.* Graduate Faculty. Credit to be arranged. All quarters annually.

H91.1 *Literature Survey.* Graduate Faculty. Credit to be arranged. All Quarters annually.

- H91.2 *Special Project.* Graduate Faculty. Credit to be arranged. All quarters annually.
- H998 *Thesis for Master of Science.* Graduate Faculty.
a,b,c 3 qtr hrs. each quarter. Credit for 9 quarter hrs. given at end of terminal quarter. All quarters annually. Enrollment for 3 quarters required for M. S. degree.
- H999 *Dissertation for Doctor of Philosophy.* Graduate
a,b,c Faculty. 3 qtr hrs. each quarter. Credit for 9 qtr hrs. given at end of terminal quarter. All quarters annually. Enrollment for 3 quarters required for Ph.D. degree.

General Concepts Courses

- H287.30 *Philosophy and Biomedical Sciences.* Kennedy. 2 qtr hrs. Winter 1973-1974 and alternate years (or sufficient student demand). Minimum of 5 students (or as a special project with less than 5). Prerequisite: Consent of instructor.

An inquiry into the nature of reality with the attending risk of improving the mind through an investigation of the relationship between science and philosophy. Problems of knowledge, logic, complexities of being, and ethics are among the subjects considered. Students are required to review and discuss pertinent scientific and philosophic literature from Aristotle to Cioran.

- H194.7 *The Problems of Medicine.* Knudson. 1 qtr hr. Fall annually.

The history, clinical features, and population features of the great problems of medicine are surveyed. Present measures and future prospects for prevention and treatment are discussed, as are the current state of the research attack upon each problem.

H195.1 *Perspectives Seminar in Biomedical Sciences.*

Furlong. 1 qtr hr. Fall, Winter, Spring annually.
Enrollment required for all students in residence.

A weekly seminar series presented by invited speakers from various biomedical disciplines. The visiting speakers present a seminar on their specialty and discuss their interest informally with faculty and students.

Introductory Studies Group Courses

The following courses are designed to help the student develop interdisciplinary strengths in areas where he has not had advanced undergraduate experience. Usually a student should not elect introductory courses from those areas where he has had prior advanced experience and is able to pass the corresponding section of the candidacy examination.

Each course will emphasize advanced treatment of fundamental principals. A student should be adequately prepared to take further specialized course work in an area after successful completion of the appropriate introductory course.

H494.1 *Biomathematics.* Biomathematics Study Group - Brown, Chairman. 4 qtr hrs. Fall annually. Pre-requisite: Calculus. A physics course using calculus is strongly recommended.

The course consists of an introduction to the construction and use of mathematical models in biology. There are four general areas: 1) scientific method and probability and statistics; 2) Continuous modelling in biology; 3) biological and biochemical control systems; and 4) computation in biomathematics.

H494.2 *Systems Biology*. Systems Biology Study Group -
Cool, Chairman. 4 qtr hrs. Fall annually.

An integrated program of study designed to establish in the student's mind the concept of man from conception to death. It should identify man and men and will relate his biological experiences to his environment. In other words, this is a course in the ecology of man, with special attention to his external and/or internal environment. As in all ecological studies, emphasis is placed on interrelationships.

H494.3 *Biophysics*. Biophysics Study Group - Corry,
Chairman. 4 qtr hrs. Winter annually. Pre-requisite:
Biomath 494.1 or equivalent.

The basic principles and concepts of modern and classical physics, such as mechanics, radioactivity and optics will be reviewed. The concepts will be applied to such biological problems as nerve transmission, enzyme structure and microscopy.

H494.4 *Molecular Biology*. Molecular Biology Study Group -
Shaeffer, Chairman. 4 qtr hrs. Winter annually.
Pre-requisite: A course in biochemistry or equivalent.

This course has a dual objective: a) to provide a background in molecular biology as preparation for the Ph.D. candidacy examination, and b) to serve as an initial advanced course in molecular biology for those students whose primary research interest will be in this area. Topics such as polynucleotide structure, replication of DNA, control of transcription and translation, membrane function and bioenergetics, viral carcinogenesis, etc. will be presented and discussed.

H494.5 *Biochemistry*. Biochemistry Study Group - Hurlbert, Chairman. 4 qtr hrs. Spring annually. Pre-requisite: A course in general biochemistry or equivalent.

The purpose of this course is to show the relationship of the concepts of chemistry and biochemistry to current advanced research topics in biomedical sciences. The principles of thermodynamic theory, physical studies on aqueous solutions, organic reaction mechanisms, and bonding forces among molecules will be developed with consideration of biological systems. Mechanisms of control of cellular metabolism by enzymic regulation, immunochemical reactions, function of hormones, function of membranes and action of anti-metabolites will be presented.

H494.6 *Cellular Biology*. Cellular Biology Study Group - Wright, Chairman. 4 qtr hrs. Spring annually. Pre-requisite: Molecular Biology, H494.4 or equivalent.

This course is an introduction to the basic problems in cellular and developmental biology. It will consider a range of topics including the organization of the cell and its components, genetics and organization of the chromosomes, control of gene expression during development, and the interactions of cellular systems in morphogenesis, pathology and immunity.

Course Offerings in Biomathematics

H385.1 *Biomedical Statistics*. George. 3 qtr hrs. Fall annually. Pre-requisite: Differential calculus or consent of instructor.

A series of lectures on statistical methods with application from the biomedical sciences. An introduction to fundamental statistical techniques in biometry and to the basic logical concepts of

mathematical statistics as applied to life sciences.

Equivalent to School of Public Health course #211.

H385.2 *Biomedical Statistics II.* George. 3 qtr hrs.

Spring annually.

A course in statistical methods for those who have had an introduction to statistical inference. Among the topics discussed are the analysis of discrete data, nonparametric techniques, regression, analysis of variance, and special techniques for the biomedical sciences. Equivalent to School of Public Health course #212.

H385.3 *State Functions in Biological Control Systems.*

Mitchell. 3 qtr hrs. Fall 1972-1973 and alternate years. Minimum of 4 students.

This course is concerned with the application of modern control theory to biological systems. The state variable concept is introduced as the primary means for system description leading to the application of the state functions of Liapunov for stability determinations and of Pontryagin for obtaining optimal control. Examples of problems discussed include optimal control of kidney dialysis concentration profiles, stability of biochemical kinetics, maintenance of a stable breeding population, and light intensity profiles for minimum-time visual adaptation.

H485.4 *Introduction to Computing and Simulation of Feedback Control Systems.* Mitchell. 4 qtr hrs. Spring 1973-1974 and alternate years. Minimum of 4 students.

Pre-requisite: Consent of instructor.

The computer will be introduced as early as possible and used continuously throughout the course to illustrate concepts, to investigate general properties of certain classes of systems, and to

obtain numerical solutions to differential equations. The philosophy of simulation will be discussed, and the simulation process will be examined in detail by studying actual physiological systems in the latter part of the course.

H385.5 *Probability Theory and Its Application to Biology.*

Brown, 3 qtr hrs. Fall 1973-1974 and alternate years. Minimum of 5 students. Pre-requisite: Differential Calculus or consent of instructor.

Introduction to the theory of probability with applications to statistical inference. Applications to biology problems.

H385.6 *Stochastic Processes with Application to Biology.*

Brown, 3 qtr hrs. Fall annually. Minimum of 5 students.

This course will rely heavily on H385.5. Topics include: generating functions, random walk models, Markov chains, birth and death processes, epidemic processes, queuing processing, and introduction to continuous stochastic modeling in biology.

H385.8 *Introduction to Mathematical Biology.* Zimmerman.

3 qtr hrs. Spring annually. Minimum of 3 students. Pre-requisite: Advanced Calculus, two years college physics, general biology and consent of instructor.

Diffusion, permeability, active transport, and membrane theory with biological applications, cell growth and multiplication. Mathematics of the circulatory system, Windkessel and pulse-pressure models.

H385.11 *Mathematical Statistics.* George. 3 qtr hrs.
a,b

(a) Fall, (b) Spring 1973-1974 and alternate years. Minimum of 4 students. Pre-requisite: Differential and Integral Calculus.

Functions of random samples and their probability distributions; introductory theory of point and interval estimation from the Bayesian viewpoint; experimental design, chi-square tests, non-parametric methods of inference and multivariate analysis.

H485.12 *Statistical Methods for Survival Time Studies.*

Gehan. 4 qtr hrs. Spring 1973-1974 and alternate years. Minimum of 4 students. Pre-requisite: Biomedical Statistics, H385.1 or its equivalent or consent of instructor.

Characterizing survival time distributions: The probability density function, hazard function, survivorship function. Non-parametric methods of estimating survival functions: life table and product-limit methods of Kaplan and Meier. Parametric forms of survival time distribution and associated methods of estimation: exponential, Weibull, gamma, log-normal. Comparing survival time distributions by generalized Wilcoxon tests. Clinical trials for comparing survival time distributions: Bayesian and non-Bayesian methods.

H192.19 *Seminar in Biomathematics.* Biomathematics Faculty, guest lecturers. 1 qtr hr. Fall and Spring annually. One or more students.

Note: Council for Applied Mathematical Sciences has recently been formed in cooperation with faculty from UTSPH*, Rice University and BCM* in order to facilitate and enlarge opportunity for course work in the biomathematical area. Contact Dr. Edmund Gehan for specific courses offered at these other institutions.

*UTSPH - University of Texas School of Public Health
 BCM - Baylor College of Medicine

*Course Offerings in Systems Biology**Neural Sciences*

- H384.2 *Neural Systems and Behavior*. Crawford. 3 qtr hrs. Fall 1972-1973 and alternate years. One or more students. Pre-requisite: Consent of instructor.

A critical review of the literature correlating experimental alteration of neural systems and the subsequent effects upon behavior. Selected central nervous system structures and systems will be reviewed and related to specific behavior changes, e.g.: perceptual processes, ingestive processes, memory and motivation. An associated laboratory will allow experience in gross neuroanatomy and histological techniques. A seminar and laboratory arranged with instructor.

- H284.3 *Binocular Vision*. Decker. 2 qtr hrs. Spring annually. One or more students. Pre-requisite: Consent of instructor.

Two eyes, one world; An exploration of the physiological, psychophysical and perceptual aspects of binocular vision.

- H384.6 *Sensory Processes*. Cool. 3 qtr hrs. Winter 1973-1974 and alternate years. One or more students. Pre-requisite: Consent of instructor.

This course will attempt an examination of the ways in which organisms receive and operate on information from their surrounding environments. Coverage will include the classical "five senses" (with least emphasis on vision), along with other sensory systems - sensing of muscle tonus; enteroceptive systems -- sensing of changing conditions in the gut; and hypothalamic sensory -- motor feedback systems.

- H384.7 *Vision: An Interdisciplinary Approach.* Sperling.
3 qtr hrs. Winter 1972-1973 and alternate years.
One or more students. Pre-requisite: Consent of
instructor.

Readings and discussion of recent advances in understanding the mechanisms of brightness and color vision. Will cover the approaches taken in psychophysical, electrophysiological, microanatomical and chemical studies.

- H384.9 *Cellular Communication Systems.* Benolken. 3 qtr hrs. Fall 1973-1974 and alternate years. One or more students. Pre-requisite: Consent of instructor.

A discussion of how sensory cells encode biological information. The emphasis will be on transducing and encoding properties of single cells from visual, mechano, and chemo sensory systems. Physiological data will be considered within the general conceptual framework of communication theory.

- H284.13 *Neurochemistry and Neuropharmacology.* Beng T. Ho.
a,b
2 qtr hrs. (a) Winter; (b) Spring, annually.
Minimum of 2 students. Pre-requisite: Organic
Chemistry and Biochemistry.

Biosynthesis and metabolism of neurohormones; function of neuroenzymes and action their inhibitors; agents effect biosynthesis, storage, release, and metabolism of neurohormones. Biochemical basis of mental disease. Chemistry, structure-action relationship, and metabolism of psychotherapeutic drugs hallucinogens.

H487.12 *Neuroanatomy*. Browning. 4 sem. hrs. (Dental Branch). Spring semester annually. One or more students.

A study of the human central nervous system with dissection of the brain and spinal cord and microscopic examination of appropriate cross sections. The construction of a model illustrates longitudinal aspects of the neuraxis. Special attention is afforded cranial nerves and their cranial connections. A correlation is attained with normal function through a study of horizontal reflexes, case histories of neurological disorders, and the use of available clinical material.

H192.16 *Seminar in Psychophysiology*. Burch. 1 qtr hr. See instructor for further instructions.

H192.22 *Seminar in Neuroendocrinology*. Fabre and Farmer. 1 qtr hr. Fall, Spring annually. Minimum of 2 students.

H192.23 *Seminar in Neurophysiology*. Benolken, Cool and Crawford. 1 qtr hr. Fall, Spring annually. One or more students.

Medical Sciences

H283.3 *Comparative Pathology*. Levy. 2 qtr hrs. (1 lec. 1 lab per wk). All quarters annually. Pre-requisite: Consent of instructor.

This course is designed to express the reactions to injuries of various animal species. Attempt will be made to point out the similarities and differences between various animals in an effort to better understand the degenerative, inflammatory and oncogenic reactions. This is an advanced pathology course. A pre-requisite of human pathology is essential.

H83.6 *Experimental Pathology*. Levy. Credit to be arranged. All quarters annually. Class limited. Pre-requisite: Consent of instructor.

The student will select a problem in experimental pathology. Seminars and reading assignments will be designed to assist the student in carrying out the laboratory and technical procedures necessary to explore the problem. A paper suitable for publication will complete the course.

H383.8 *Endocrinology*. Preslock. 3 qtr hrs. Winter (a); a,b Spring (b), annually. Minimum of 3 students.

A course in endocrinology in which the first quarter will be a basic, fundamental approach to endocrinology, followed by the second quarter which will be an advanced course covering specialized aspects of endocrinology in greater detail. Guest lecturers, who are experts in their respective areas, will be invited to participate.

H387.5 *Advanced Mammalian Physiology*. Smith. Any of the following may be taken (composing 3 semester hours) but the consent of instructor is necessary. Dental Branch course.

This course is designed to allow the student to concentrate his study on major subjects such as the following: endocrinology, cardiovascular, respiratory, bone, kidney and body fluids and acid base balance.

521A - Nerve and Muscle Physiology (first 5 weeks)
2 lec, 1 lab per wk - 1 sem hr.

This series will develop the concepts of membrane potentials and action potentials. The physiology of the nerve impulse including nerve fibers, synapses and neuromuscular junctions will be studied. The integration of the entire nervous system will be considered including the peripheral

and central nervous systems. The fundamentals of the special senses will be taken up.

521B - Gastro Intestinal Physiology (Second 5 weeks) 2 lec, 1 lab per wk - 1 sem hr.

The physiology of the GI system will be studied with emphasis on secretion, motility and absorption as it occurs in the human digestive system. The neuro and hormonal control of the digestive system will be explored in detail.

521C - Circulation and Respiration (Third 5 weeks) 2 lec, 1 lab per wk - 1 sem hr.

Internal respiration and external respiration will be studied as to their control and as to what is accomplished by their function. Close correlation will be made between circulation and respiration as they work together to meet the needs of the body in getting Oxygen delivered to the cells and removing carbon dioxide from them. The various parts of the circulatory system including the heart, blood vessels and blood forming and storing organs, will be studied in detail. Special emphasis will be placed on the exchange between the vascular, intracellular and the intercellular compartments.

521D - Renal Physiology, Electrolyte, and Fluid Balance (First 5 weeks, Second Semester) 2 lec, 1 lab per wk - 1 sem hr.

Discussions will include the formation of urine by the kidney, and the renal involvement in homeostasis of body fluids, electrolytes, and pH. Emphasis will be placed on the normal limits of the various components of the body fluids and their deviation in disease.

521E - Endocrinology (Second 5 weeks, Second Semester) 2 lec, 1 lab per wk - 1 sem hr.

This section of Graduate Physiology will include a brief study of the major endocrine glands and their hormones. Emphasis will be placed on the symptoms and etiology of endocrine disorders and their treatment. This section will be concluded by discussing hormonal interrelations and their action in regulating growth, salt and water balance, and blood glucose and calcium.

521F - Bone Physiology (Third 5 weeks, Second Semester) 2 lec, 1 lab per wk - 1 sem hr.

The structure and properties of bone tissue will be presented. The cells of bone and their functions, including the role of hormones and mechanical forces in altering their activity, will be analyzed.

H487.13 *General and Comparative Endocrinology*. Browning.

4 sem hrs (Dental Branch) Fall and Spring Semester 1972 and alternate years. One or more students.
Pre-requisite: For laboratory project require Experimental Methods in Fall - 3 one hr. lectures; 3 hr. lab per week (both given at University of St. Thomas).

A consideration of invertebrate and vertebrate endocrinology, with particular emphasis on functions such as osmoregulation, calcium metabolism, growth, reproduction, carbohydrate, fat, and protein metabolism neurosecretion, and autonomic-endocrine interaction.

H387.15 *Human Anatomy*. Browning. 3 sem hrs. (Dental Branch)

Summer annually. One or more students.

A study of topography, osteology and internal anatomy of man, using prosected cadaver material. Assignment of four students per cadaver.

H287.18 *Anatomy*. Kennedy. 2 qtr hrs. Winter 1972-1973
and alternate years, or sufficient student
demand. Minimum of 5 students or special project.
Pre-requisite: Consent of instructor.

A discussion of the structure and function of
certain systems of the vertebrate body. Morpho-
logical adaptations for erect posture, brachiation,
encephalization and others are among topics frequently
discussed.

H287.24 *Physiology of Pregnancy and the Newborn*. Hampton.
2 qtr hrs. Fall annually. Minimum of 3 students.
Pre-requisite: Advanced Mammalian Physiology, or
consent of instructor.

Its content will consist of the following areas.
Fertilization: Ovulation, sperm and ovum transport,
tubal, uterine and vaginal environment, capacitation.
Nidation: Uterine environment theories of inplan-
tation, decidualization.
Placentation: Comparative anatomy of placentae,
evolution of placentae, Placenta: Composition and
Properties. Placenta: Transportation of gases,
crystalloids, colloids, "barrier" function.
Pregnancy: Endocrine status of mothers, effect of
maternal physiological factors on fetus. Fetal
Physiology: Aquisition of system functions, special
features of fetal physiology. Parturition: Theories
of birth stimulus, fetal adaptation. Postpartum
adjustments: Fetal maternal.

H187.28 *Body Fluid and Acid Base Balance*. Hampton. 1 qtr
hr. All quarters annually. One or more students.

A supervised, programmed course. It will not
have assigned class hours; thus scheduling conflicts
will not occur. The text for it will be: Christensen,

N.N., Body Fluids and Acid-Base Balance, W.B.

Saunders Co., Philadelphia, 1964.

H387.31 *Advanced Pharmacology*. Kroeger, 3 qtr hrs. (per
a,b,c qtr) (2 lect, 1 lab per wk). (a) Fall; (b) Winter;
(c) Spring, annually. Minimum of 5 students.

- a) Pharmacology of the Intergrative System;
Nerve; Muscle and Endocrine.
- b) Pharmacology of the Supportive and Defense
Systems; Cardiovascular, Respiratory, Renal
and Inflammatory.
- c) General Pharmacological Mechanisms of
Action.

H288.9 *Introduction to Nuclear Medicine*. Haynie. 2 qtr
hrs. Fall annually. Minimum of 6 students. Pre-
requisite: Consent of instructor.

Underlying principles of nuclear medicine are covered with emphasis on anatomical and physiological basis for the clinical applications of radiopharmaceuticals. This course covers both diagnostic (Physiological function testing and radionuclide imaging) and therapeutic uses. It is designed for physicians and basic scientists interested in obtaining a broad overview of this medical specialty.

H192.3 *Seminar in Medical Genetics*. Knudson. 1 qtr hr.
Spring annually. One or more students.

H192.9 *Seminar in Physiology*. Smith. 1 qtr hr. Fall,
Spring annually. Minimum of 3 students.

H192.26 *Seminar in Advanced Cardiovascular Physiology*.
Alexander and Hampton. 1 qtr hr. Winter, Spring
annually. Minimum of 3 students.

H292.27 *Seminar in Reproductive Biology*. Preslock and
Hampton. 2 qtr hrs. Winter, Spring annually. One
or more students.

H192.28 *Seminar in Pathobiology*. Levy. 1 qtr hr. All quarters annually. Class limited. Pre-requisite: Consent of instructor.

The student will prepare a seminar on a topic of current interest in pathobiology. Results of experiments conducted by the student in tutorial laboratories as well as selected topics may be used to form the basis for the seminar.

H192.29 *Seminar in Growth Kinetics of Normal and Malignant Cells*. Barranco. 1 qtr hr. Fall and Spring annually. Three to 7 students.

The student presentations will cover the cell cycle kinetics of normal and malignant tissues, biochemical events of the cell cycle, radiation and drug effects, mathematic modeling and current therapy trends relative to kinetics. Some of the topics will be presented by staff of M. D. Anderson Hospital who are experts in solid tumors and leukemia.

Environmental Sciences

H287.16 *Evolution*. Kennedy. 2 qtr hrs. Fall 1973-1974 and alternate years, or sufficient student demand. Five or more students or special project. Pre-requisite: Consent of instructor.

A study of the mechanisms of organic evolution. Current literature will be emphasized.

H287.17 *Ecology*. Kennedy. 2 qtr hrs. Spring 1973-1974 and alternate years, or sufficient student demand. Five or more students or special project. Pre-requisite: Consent of instructor.

A study of the relationship and interaction between organisms and their environment. Current literature will be emphasized.

H287.19 *Biology of Natural Population*. Kennedy. 2 qtr hrs.
Spring 1972-1973 and alternate years, or sufficient
student demand. 5 or more students or special
project. Pre-requisite: Consent of instructor.

A study of the dynamics, relationships and
mechanisms of regulations, control and behavior in
natural populations. The biology of reptile and
mammal populations will be emphasized.

H387.29 *Man and Environment*. Kennedy. 3 qtr hrs. Fall
1972-1973 and alternate years, or sufficient student
demand. Minimum of 5 students or special project.
Pre-requisite: Consent of instructor.

An interdisciplinary presentation of science
and philosophy of world interchange. Interaction
of man and environment, demography, diversity of
human ecosystems, culture, urbanization, and
variables of the environment are discussed. Current
environment problems are reviewed.

Note: Related Courses in Systems Biology

- H388.8 Principles of Radiopharmaceuticals, Glenn
H589.1 Electronics in the Biomedical Sciences, Meharg
H192.5 Seminar in Immunology & Immunochemistry,
Schlamowitz
H192.15 Seminar in Medical Physics, Almond
H192.24 Seminar in Isotopes and Nuclear Medicine,
Haynie & Jahns

Course Offerings in Biophysics

H388.1 *Biophysical Concepts and Methods I*. Corry. 3 qtr
hrs. Winter annually. 4 or more students or as a
special project.

A survey of methods in Biophysics including
Spectroscopy; Radiation Sources; Diffraction; Optics
including light and Electron Microscopy; Centrifuga-
tion; Chromatography, and Electrophoresis Radioactive

Counting; data Acquisition and Analysis.

- H388.2 *Biophysical Concepts and Methods II.* Cole. 3 qtr hrs. Spring annually. 4 or more students or as a special project. H388.1 is not pre-requisite.

An outline of concepts of Molecular Bonding and Cellular and Molecular Structure. Atomic and Molecular Forces, Bonding and Interactions; Primary, Secondary and Higher Levels of Macromolecular Structure; Bioenergetics; Molecular Models of Nucleic Acids and Proteins; Structure and Properties of Cellular Organelles and Viruses.

- H388.4 *Radiation Biology.* Hewitt and Humphrey. 3 qtr hrs. Winter 1972-1973 and alternate years. One or more students. Pre-requisite: Familiarity with Biophysics.

A study of the fundamentals of radiation biology. This study is designed to cover aspects of energy absorption, chemical reactions following radiation action, cellular response (death and mutation) to radiation, the radiation syndrome in higher organisms, and radiation protection.

- H388.5 *External Beam, Interstitial and Intracavitary Dosimetry.* Shalek, 3 qtr hrs. Winter annually. One or more students. Pre-requisite: Consent of instructor.

A description of the physical principles in the medical application of radiation beams and radium.

- H288.6 *Advanced Radiation Physics.* Almond. 2 qtr hrs. Fall, a,b Winter annually. (a) Fall, (b) Winter, 4 or more students or as a special project. Pre-requisite: Consent of instructor.

A study of the properties and measurement of electromagnetic and particulate radiation. During Winter quarter a special 2 week lab will be held 1 - 9 p.m., Monday - Friday. Title of lab is High

Energy x-ray electron and neutron dosimetry. Lab may be taken for credit without taking the whole course. (Consent of instructor necessary).

H288.7 *Physics of Radioisotopes and Nuclear Medicine.* Jahns.
a,b

2 qtr hrs. Fall, Winter annually. (a) Fall; (b) Winter. 10 or more students or as a special project. Pre-requisite: must be taken in series beginning with (a).

Nuclear physics is reviewed with emphasis on the production and absorption of ionizing radiation. Further topics will be described including measurement of radiation, production of isotopes and isotope dosimetry with a more detailed discussion of isotopes presently used in clinical medicine and in research applications.

H388.8 *Principles of Radiopharmaceuticals.* Glenn. 3 qtr hrs.
a,b

(a) Winter, (b) Spring annually. Minimum of 4 students. Pre-requisite: taken series beginning with (a) or consent of instructor.

A study combining principles of radiation and pharmacy. The effects of radiation on pharmaceuticals. Methods of manufacture, formulation, quality control and survey of radiopharmaceuticals used in medical research and in nuclear medicine. Studies of pharmacodynamics of radionuclide-labeled compounds. In vitro radionuclide tests.

H388.10 *Radiation Detection Instrumentation and Data Analysis.*

Oliver. 3 qtr hrs. Spring annually. Minimum of 3 students or as a special project.

Statistics of nuclear data; basic interactions of radiation with detectors; characteristics and applications of charged particle, photon, and neutron detectors and associated analysis equipment.

H589.1 *Electronics in the Biomedical Sciences.* Meharg. 5
 qtr hrs. All quarters annually. (4 lec. 1 lab per wk.)
 4 or more students.

This course is designed for non-engineering students who meet the admission requirements of the Graduate School of Biomedical Sciences. Basic electronic principles and instrumentation: vacuum tubes, solid state devices, special purpose instrumentation, and introduction to computer usage in the biomedical sciences.

H489.4 *Basic Electronics and Instrumentation.* Zermeno.
 4 qtr hrs. Fall annually. 4 or more students or
 as a special project.

This course is expressly designed for science students who have little or no background in electronics but who need to gain a working knowledge of electronic devices and circuits. Course content includes electronic principles, basic circuits and components (including semiconductor devices), servo-systems, operational amplifiers, feedback control and digital logic. The accompanying laboratory experiments are designed to familiarize the students with the use and operation of various test equipment (VTVM, oscilloscopes, etc.) while exploring basic principles.

H192.2 *Seminar in Biophysics.* Oliver. 1 qtr hr. Fall,
 Winter, Spring annually. Minimum of 4 students.

H192.15 *Seminar in Medical Physics.* Almond. 1 qtr hr.
 Fall, Winter, Spring annually. 5 or more students
 or as a special project. Pre-requisite: Consent of
 instructor.

Lectures by staff, student and visiting personnel

on subjects of current interest in medical physics.

H192.24 *Seminar in Isotopes and Nuclear Medicine.* Haynie and Jahns. 1 qtr hr. All quarters annually. One or more students

Discussion of literature regarding fundamentals and applications of radionuclides in medicine.

Note: Related Courses in Biophysics:

H384.9 Cellular Communication Systems, Benolken

H385.8 Introduction to Mathematical Biology,
Zimmerman

H286.3 Theoretical Biochemistry, Furlong

H288.9 Introduction to Nuclear Medicine, Haynie

Course Offerings in Molecular Biology

H386.22 *Selected Topics in Molecular Biology.* Saunders.
3 qtr hrs. Fall annually. Minimum of 5 students
or as a special project.

Gene structure and function, recent advances in genetic transcription and translation.

H287.1 *Microbial Biochemistry and Physiology.* Goldschmidt.
2 qtr hrs. Fall annually. Minimum of 4 students or
special project.

Relationship between structure and function in various microbial systems.

H387.8 *Molecular Genetics.* Matney. 3 qtr hrs. (2 lec.
1 lab per wk.) Summer annually. Minimum of 4 students
or as a special project. Pre-requisite: Consent of
instructor.

A study of the molecular basis of heredity and the processes involved in expression of genetic material and requisite control mechanisms.

H387.9 *Virology.* Dmochowski and Bowen. 3 qtr hrs. (a)
a,b Winter, (b) Spring annually. Minimum of 5 students.

Virology with emphasis on the nature of viruses

and on virus-host cell interaction, biochemistry of virus replication, viral oncology. (b) Continuation of (a) portion with emphasis on viral oncology and immunological aspects of virus infection.

- H387.10 *Bacterial Viruses*. J. Suit. 3 qtr hrs. Spring 1973-1974. One or more students. Pre-requisite: Consent of instructor.

A study of physiological aspects of phage infection, the genetics of phage and lysogeny. Following general background lectures, emphasis is placed on current developments in the literature. Laboratory sessions are scheduled when appropriate.

- H287.33 *Medical Microbiology*. Goldschmidt. 2 qtr hrs. Spring annually. Five or more students.

A study of the medically important microorganisms, their transmission, host relationships and mechanisms of pathogenicity.

- H192.6 *Seminar in Microbial Genetics*. Matney and J. Suit. 1 qtr hr. Fall, Winter, Spring annually. One or more students. Pre-requisite: Consent of instructor.

A seminar given Wednesday evenings at 7:30. Faculty and students from Rice, Baylor and University of Houston participate. One speaker each evening gives open ended informal seminar on his research interest.

- H192.7 *Seminar in Microbiology*. Mandel. 1 qtr hr. Fall annually. Minimum of 5 students. Pre-requisite: General Bacteriology or Microbiology course.

The diversity of microbes, their natures, special attributes and relations.

- H192.11 *Seminar in Virology*. Dmochowski and Bowen. 1 qtr hr. Spring annually. One or more students. Pre-requisite: Consent of instructor.

Participation in Virology Department Seminar program involving a 50 minute plus discussion of assigned lectures with instructor.

H192.12 *Seminar in Microbial Physiology*. Goldschmidt. 1 qtr hr. Spring annually. One or more students.

H192.25 *Seminar in Molecular Biology*. Saunders. 1 qtr hrs. All quarters annually. One or more students.

Discussion of literature in Molecular Biology.

Note: Related Courses in Molecular Biology:

- H386.5 Biochemistry and Biosynthesis of Proteins, Griffin
- H386.8 Nucleotides and Nucleic Acids, Hurlbert
- H286.10 Action of Antimetabolites, Moore
- H386.16 Biochemistry of Animal Development, Hnilica
- H286.18 Biochemistry of Cell Nucleus, Hnilica
- H487.3 Cell Biology, Stubblefield
- H387.21 Developmental Biology, Taylor & Wright
- H387.23 Developmental Genetics and Cytogenetics, Arrighi & Hsu
- H387.27 Biological Ultrastructure II, Brinkley
- H187.33 Cellular Physiology, Smith
- H388.1 Biophysical Concepts and Methods I, Corry
- H388.2 Biophysical Concepts and Methods II, Cole
- H388.4 Radiation Biology, Hewitt & Humphrey
- H192.1 Seminar in Biochemistry, Hurlbert

Course Offerings in Biochemistry

H286.1 *Enzymology*. Furlong, Griffin, Hurlbert and Walter. 2 qtr hrs. Winter, Spring 1973-1974 and alternate years. (a) Winter, (b) Spring. Minimum of 4 students. Pre-requisite: Biochemistry or equivalent. Must be taken in series beginning with (a).

Chemistry, Classification and kinetics of enzyme catalyzed reactions; enzymes as biochemistry

tools; action of enzymes in vivo - induction, repression and feedback control.

- H186.2 *Methods in Enzymology*. Orengo. 1 qtr hr. (1 lab per wk). Fall annually. 1 to 4 students. Pre-requisite: Introductory course in Biochemistry and preferably additional study of enzymology such as H286.1.

The course provides a basic introduction to the principles and practice of enzyme purification and assay. Emphasis is on the practical aspects, but whenever the occasion arises theory will be properly treated. The areas covered are as follows: Macromolecular properties of enzymes, extraction of enzymes, assay of enzymes and reaction kinetics. The laboratory finding as it was obtained will be the basis of any statement. The students will be provided with a booklet of graphs, tables, references arranged in order of presentation of matter. As a laboratory exercise, an enzyme will be purified and studied kinetically.

- H286.3 *Theoretical Biochemistry*. Furlong. 2 qtr hrs. Fall 1972-1973 and alternate years. 4 or more students or as a special project. Pre-requisite: Physical Chemistry, advanced Calculus, Biochemistry or equivalent.

Selected topics in the application of mathematical, physical and chemical concepts to biological systems.

- H386.4 *Amino Acids and Peptides*. Lazzari. 3 qtr hrs. Winter 1974-1975 and every 3 years. One or more students.

The historical development, intermediary metabolism, physiological importance and methods

of isolation and analysis of this group of compounds.

- H386.5 *Biochemistry and Biosynthesis of Proteins*. Griffin.
3 qtr hrs. Fall 1972-1973 and alternate years.
Minimum of 4 students.

Will be concerned mainly with mechanisms of protein biosynthesis.

- H386.6 *Chemistry and Physical Chemistry of Proteins*. Ward and Jirgensons. 3 qtr hrs. Spring 1973-1974 and alternate years. Minimum of 5 students. Pre-requisite: H386.4 or consent of instructor.

Purification, physical criteria and chemical studies of proteins, including detailed consideration of the structure of selected proteins.

- H386.8 *Nucleotides and Nucleic Acids*. Hurlbert. 3 qtr hrs. Winter, Spring 1972-1973 and alternate years. Minimum of 6 students. Pre-requisite: Biochemistry.

The chemistry, enzymology and biosynthesis of nucleotides and polynucleotides.

- H386.9 *Biochemistry of Cancer*. Griffin. 3 qtr hrs. Winter 1973-1974 and alternate years. Minimum of 4 students.

Recent advances in experimental carcinogenesis, including chemical changes in tissues or organs during cancer induction, and metabolism of malignant tissues, tumor-host relations, and cancer chemotherapy.

- H286.10 *Action of Antimetabolites*. Moore and LePage. 2 qtr hrs. Spring 1972-1973 and alternate years. Minimum of 5 students. Pre-requisite: Consent of instructor.

The role and biochemical basis of antimetabolite action in chemotherapy, with particular emphasis on cancer chemotherapy.

H286.11 *Chromatography*. McGregor. 2 qtr hrs. Winter 1973-1974 and alternate years. 2 to 6 students.

The history, classification and theory of ion-exchange, paper, column, thin-layer and gas chromatography. Discussion of molecular sieve filtration, ion exclusion, ligand exchange, electro-chromatography and partition chromatography.

H386.16 *Biochemistry of Animal Development*. Hnilica. 3 qtr a,b hrs. (2 lec. 1 lab per wk). Winter, Spring 1972-1973. (a) Winter; (b) Spring. Minimum of 6 students. Pre-requisite: Must be taken in series beginning with (a).

This course intends to introduce students to the biochemistry of animal development. It will describe major biochemical changes characteristic for maturation of the oocyte, fertilization, early cleavages and differentiation. Laboratory is an integral part of the course and will expose the students to current laboratory techniques used in modern biochemistry and embryology.

H286.18 *Biochemistry of Cell Nucleus*. Hnilica. 2 qtr hrs. Winter, Spring 1973-1974 and alternate years. Minimum of 5 students.

This course will present an over all view of the biochemistry and biology of the cell nucleus and its organelles. Main emphasis is to be given to the biological significance of the individual macromolecular species found in the nuclei of high organelles.

H386.19 *Carbohydrate Chemistry*. Walborg. 3 qtr hrs. each a,b,c part. Fall, Winter, Spring 1974-1975 and every three years. (a) Fall; (b) Winter; (c) Spring. Minimum of 5 students taking for credit. Pre-requisite:

Must be taken series beginning with (a).

- (a) Chemistry and Biochemistry of mono- and oligosaccharides.
- (b) Chemistry and Biochemistry of Polysaccharides.
- (c) Chemistry and Biochemistry of peptidoglycans, glycoproteins and glycolipids.

H286.23 *Physical Chemistry of Biopolymers I.* Inners. 2 qtr hrs. Fall 1973-1974 and alternate years. Minimum of 4 students or as a special project. Pre-requisite: Consent of instructor.

Conformation of polymer chains, statistical thermodynamics of polymer solutions, polyelectrolyte solutions, water structure.

H286.24 *Physical Chemistry of Biopolymers II.* Inners. 2 qtr hrs. Winter 1973-1974 and alternate years. Minimum of 4 students or as a special project. Pre-requisite: Consent of instructor.

Diffusion, sedimentation in the ultracentrifuge, viscosity, light scattering, multicomponent systems, correlation of optical and hydrodynamic properties of polymers.

H192.1 *Seminar in Biochemistry.* Biochemistry Faculty (Hurlbert). 1 qtr hr. Winter, Spring annually.

H192.5 *Seminar in Immunology and Immunochemistry.* Schlamowitz. 1 qtr hr. Fall 1972-1973 and alternate years. Minimum of 2 students.

H192.20 *Seminar in Intermediary Metabolism.* Johnson. 1 qtr hr. Fall annually. Minimum of 2 students.

Current literature of diseases of metabolism will be reviewed and discussed.

Note: Related Courses in Biochemistry:

- H487.3 Cell Biology, Stubblefield
 H386.22 Selected Topics in Molecular Biology, Saunders
 H387.25 Principles of Histochemistry, Chang
 H388.1 Biophysical Concepts and Methods I, Corry
 H388.2 Biophysical Concepts and Methods II, Cole
 H192.25 Seminar in Molecular Biology, Saunders

Course Offerings in Cellular Biology

- H283.5 *Experimental Laboratory Hematology*. Brittin. 2 qtr hrs. Spring annually. Minimum of 4 students.

The purpose of this course is to acquaint the student with the application of modern techniques in human and animal experimental hematology. Emphasis is upon the application of modern techniques in investigative hematology. Topics include instrumentation; cell counting and sizing; radioisotopic and chemical methods; red cells enzymology; immunohematology; histology, including electron microscopy and immunofluorescence; cytogenetics; and techniques for measuring coagulation.

This course is not in clinical hematology, and there is no special emphasis upon morphology of the blood and bone marrow.

- H487.3 *Cell Biology*. Stubblefield. 4 qtr hrs. Winter annually. Minimum of 4 students. Pre-requisite: Biochemistry, Genetics, or consent of instructor.

A study of the structure, function and reproduction of cells and cell organelles.

- H387.21 *Developmental Biology*. Taylor and Wright. 3 qtr hrs. Winter annually. Minimum of 4 students or as a special project.

Early embryonic development will be discussed including gametogenesis, fertilization, cleavage,

and morphogenetic movements. The interactions of nucleus and cytoplasm, cells and tissues in the processes of cellular differentiation and morphogenesis will be discussed in terms of experimental evidence.

- H287.22 *Tissue and Cell Culture*. Arrighi and Hsu. 2 qtr
a,b
hrs. (1 lec. 1 lab per wk). Winter, Spring, 1973-1974 and alternate years. (a) Winter, (b) Spring. Minimum of 3 students, maximum of 4, or as a special project with 1 or 2 students. Pre-requisite: Consent of instructor.

This course covers the principles and practices of tissue and cell culture, photomicrography, cinematography, autoradiography and related techniques.

- H387.23 *Developmental Genetics and Cytogenetics*. Arrighi and Hsu. 3 qtr hrs. Spring 1972-1973 and alternate years. Minimum of 3 students or as a special project. Pre-requisite: Consent of instructor.

The lectures will include classic and recent advances in these two areas. The following topics, among others, will be dealt with in some detail. Gene control of development as exemplified by the expression in chromosomal puffs, heteropycnosis, X-chromosome inactivation, the lampbrush Chromosome and its activities, the role of rDNA in development, somatic cell hybridization, and chromosomal evolution.

- H387.25 *Principles of Histochemistry*. Chang. 3 qtr hrs. Spring annually. Minimum of 2 students, maximum of 6. Pre-requisite: histology, cytology, or micro-techniques with some basic knowledge in electron microscopy.

The course is designed to teach the students the principles and techniques of histo-cytochemistry for a better understanding of the dynamic organization of cells and tissues in terms of structure, composition, and function. Laboratory work will consist of tissue processing and fixation, with emphasis on localization of enzymes, nucleic acids, and carbohydrates in tissues and cells. Ultracytochemistry and auto-radiography will be a part of the laboratory exercises.

- H387.26 *Biological Ultrastructure I.* Brinkley. 3 qtr hrs. (1 lec. 2 labs per wk). Winter annually. One to 6 students, or as a special project. Pre-requisite: Consent of instructor.

Methods in Electron Microscopy. The course will be designed for beginning students in electron microscopy, especially those in the Biological Ultrastructure Program.

- H387.27 *Biological Ultrastructure II.* Brinkley. 3 qtr hrs. Spring annually. Minimum of 3 students or special project. Pre-requisite: Cell Biology or consent of instructor.

A fundamental survey of the fine structure of biological systems from macromolecules to cells and tissues. Emphasis is placed on the interpretation of electron micrographs and the relationship between ultrastructure and ultrafunction.

- H387.32 *Cellular Ultrastructure.* Dmochowski, Seman and Miller. 3 qtr hrs. Fall annually. Minimum of 5 students. Pre-requisite: Consent of instructor.

Electron Microscopy of normal, malignant and virus infected tissues with emphasis on thin sectioning techniques, emphasizing methodology and interpretation. Course consists of lectures plus special

demonstration and laboratory tutorials.

- H187.33 *Cellular Physiology*. Smith (Dental Branch) 1 sem
hr. Spring and Summer annually.
- H192.14 *Seminar in Cytology*. Hsu. 1 qtr hr. Fall, Winter,
Spring annually. Maximum of 4 students.
- H292.30 *Seminar in Developmental Biology*. Wright. 2 qtr
hrs. Winter, Summer annually. Minimum of 3
students. Pre-requisite: One course in Embryology
or the Introductory Cellular Biology course.

Recent research papers in Developmental Biology
will be critically reviewed and discussed in terms
of methods and relevance to major problems.

Note: Related Courses in Cellular Biology:

- H384.9 Cellular Communication System, Benolken
- H386.16 Biochemistry of Animal Development, Hnilica
- H286.18 Biochemistry of Cell Nucleus, Hnilica
- H287.1 Microbial Physiology, Goldschmidt
- H387.5 Advanced Mammalian Physiology, Smith
- H387.9 Virology, Dmochowski and Bowen
- H388.4 Radiation Biology, Hewitt and Humphrey
- H192.5 Seminar in Immunology and Immunochemistry,
Schlamowitz
- H192.7 Seminar in Microbiology, Mandel
- H192.11 Seminar in Virology, Dmochowski and Bowen
- H192.12 Seminar in Microbial Physiology, Goldschmidt

S E C T I O N V I I
T H E F A C U L T Y

GRADUATE FACULTY

Members

- Peter R. Almond, Associate Professor of Biophysics, MDA. B.Sc., Nottingham Univ., 1958; M.A., Ph.D., Rice, 1962, 1964.
- David E. Anderson, Professor of Biology, MDA. B.S., Univ. of Mass., 1950; M.S., Univ. of Conn., 1952; Ph.D., Iowa State, 1954.
- Allen T. Ansevin, Associate Professor of Biophysics, MDA. A.B., Earlham College, 1951; M.S., Ph.D., Univ. of Pittsburgh, 1958, 1961.
- Sumter S. Arnim, Professor of Pathology and Dean Emeritus, GSBS. B.A., Rice, 1926; D.D.S., Northwestern, 1930; Ph.D., Yale Univ. School of Medicine, 1935.
- Robert M. Benolken, Professor of Neural Sciences, GSBS. B.S., Marquette Univ., 1954; Ph.D., The Johns Hopkins Univ., 1959.
- James M. Bowen, Associate Professor of Virology, MDA. B.S., Midwestern Univ., 1955; M.S., Ph.D., Oregon State, 1958, 1961.
- Bill R. Brinkley, Associate Professor of Biology, MDA. B.S., M.A., Sam Houston State, 1959, 1961; Ph.D., Iowa State, 1964.
- Barry W. Brown, Associate Professor of Biomathematics, MDA. B.S., Univ. of Chicago, 1959; M.S., Ph.D., Univ. of Calif., Berkeley, 1961, 1963.
- Henry C. Browning, Professor of Anatomy, DB. B.S., Ph.D., Univ. of Bristol, 1937, 1942.
- Neil R. Burch, Professor of Mental Sciences, TRIMS. M.D., BUCM, 1947.
- Walter J. Burdette, Professor of Surgery and Associate Director (Research), MDA. A.B., Baylor, 1935; A.M., Ph.D., Texas, 1936, 1938; M.D., Yale, 1942.
- Jeffrey P. Chang, Professor of Biology (Experimental Pathology), MDA. B.S., National Central Univ., China, 1941; M.S., Ph.D., Univ. of Illinois, 1946, 1949.
- Arthur Cole, Professor of Biophysics, MDA. B.A., M.A., Rice, 1951, 1953; Ph.D., Texas, 1956.
- John A. DeMoss, Professor and Director, Program in Biochemistry and Molecular Biology, UTHMS. A.B., Indiana Univ., 1952; Ph.D., Western Reserve Univ., 1957.
- Leon L. Dmochowski, Professor and Head, Department of Virology, MDA. M.B., Ch.B., Univ. of Lwow, Poland, 1933; M.D., Univ. of Warsaw, 1937; Ph.D., Univ. of Leeds, 1949.
- Gordon L. Farrell, Professor of Mental Sciences, GSBS. M.D., St. Louis Univ., School of Medicine, 1947.
- Gilbert H. Fletcher, Professor and Head, Department of Radiotherapy, MDA. B.A., Univ. of Paris, 1929; B.A., Univ. of Louvain, 1932; M.S., M.D., Univ. of Brussels, 1935, 1941.

- Emil Frei, III, Professor of Medicine and Head, Department of Developmental Therapeutics, MDA. M.D., Yale Univ. School of Medicine, 1948.
- N. Burr Furlong, Associate Professor of Biochemistry, MDA and GSBS; Associate Dean of Curriculum Development, GSBS. B.S., B.A., Southern Mich., 1952; M.S., Stanford, 1954; Ph.D., Texas, 1960.
- Edmund A. Gehan, Professor of Biometrics, MDA. B.A., Manhattan College, 1951; M.S., Ph.D., North Carolina State College, 1953, 1957.
- A. Clark Griffin, Professor of Biochemistry, MDA. B.S., Utah State, 1939; M.S., Mich. State., 1941; Ph.D., Univ. of Wisconsin, 1947.
- Dieter H. M. Gröschel, Associate Professor of Pathology (Microbiology), MDA. Dr. med., Univ. of Cologne (Grad. med., 1957), 1958.
- Felix L. Haas, Professor and Head, Department of Biology, MDA. B.A., M.A., Ph.D., Texas, 1947, 1948, 1950.
- John K. Hampton, Jr., Professor of Physiology, DB; Member, DSI. B.S., Millsaps College, 1947; Ph.D., Tulane, 1949.
- Roger R. Hewitt, Associate Professor of Biology, MDA. B.S., Willamette Univ., 1959; M.S., Ph.D., Univ. of Rochester School of Medicine and Dentistry, 1960, 1963.
- Edward C. Hinds, Professor of Surgery, DB. B.A., Baylor Univ., 1940; D.D.S., Baylor Univ. College of Dentistry, 1940; M.D., BCM, 1945.
- Lubomir S. Hnilica, Professor of Biochemistry, MDA. B.A., State Gymnasium, Czech., 1948; Ph.D., Masaryk Univ., Czech., 1952; C.Sc., Academy of Science, Czech., 1959.
- Beng T. Ho, Professor of Mental Sciences, TRIMS. B.S., National Taiwan Univ., 1955; M.S., Univ. of Oregon, 1959; Ph.D., Univ. of Washington, 1962.
- T. C. Hsu, Professor of Biology, MDA. B.S., National Chekiang Univ., 1941; Ph.D., Texas, 1951.
- Ronald M. Humphrey, Professor of Biophysics, MDA. B.A., Hardin-Simmons, 1953; M.A., Ph.D., Texas 1955, 1958.
- Robert B. Hurlbert, Professor of Biochemistry, MDA. B.S., M.S., Univ. of Nebraska, 1947, 1949; Ph.D., Univ. of Wisconsin, 1952.
- Max O. Hutchins, Associate Professor of Physiology, DB. B.S., East Central State Teachers, 1955; M.S., Ph.D., Oklahoma State Univ., 1961, 1963.
- Eugene D. Jacobson, Professor and Director, Program in Physiology, UTHMS. B.A., Wesleyan Univ., 1951; M.D., Univ. of Vermont College of Medicine, 1955; M.S., State Univ. of New York, 1960.
- Bruno Jirgensons, Professor of Biochemistry, MDA. Chem. Mag. Chem., Dr. Chem., Dr. chem. habil., The Univ. of Latvia, 1930, 1933, 1934.
- Joseph P. Kennedy, Professor of Ecology, GSBS and MDA; Professor of Anatomy, DB. B.A., Univ. of St. Thomas, 1954; M.A., Ph.D., Texas, 1955, 1958.
- Alfred G. Knudson, Jr., Professor of Medical Genetics and Dean, GSBS. B.S., Ph.D., Calif. Inst. of Tech., 1944, 1956; M.D., Columbia Univ., 1947.

- Robert H. Kokernot, Professor of Pathobiology and Comparative Medicine, SPH. D.V.M., Texas A & M Univ., 1946; M.D., BUCM, 1950; M.P.H., D.P.H., The Johns Hopkins Univ., 1952, 1961.
- Donald C. Kroeger, Professor of Physiology (Pharmacology), DB. B.S., Oregon State College, 1947; M.S., Ph.D., Purdue, 1949, 1951.
- Gerald A. LePage, Professor of Pharmacology, MDA. B.S., M.S., Univ. of Alberta, 1940, 1941; Ph.D., Univ. of Wisconsin, 1943.
- Barnet M. Levy, Professor of Pathology, DB; Director and Member, DSI. A.B., Univ. of Penn., 1938; D.D.S., Univ. of Penn. Dental School, 1942; M.S., Medical College of Virginia, 1944.
- Ti Li Loo, Professor of Pharmacology, MDA. B.S., Tsing Hua Univ., 1940; Ph.D., Oxford Univ., 1946.
- Manley Mandel, Professor of Biology, MDA. B.A., Brooklyn College, 1943; M.S., Ph.D., Michigan State, 1947, 1952.
- Thomas S. Matney, Professor of Biology and Graduate Administrator (Associate Dean), GSBS. B.S., B.A., M.S., Trinity, 1948, 1949, 1951; Ph.D., Texas, 1958.
- William M. McIsaac, Professor of Mental Sciences, TRIMS. B.S., Univ. College, London, 1943; M.R.C.S., L.R.C.P., Royal College of Physicians and Surgeons, 1953; M.B., B.Sc., St. Mary's Hospital Medical School, 1953; Ph.D., London Univ., 1957.
- E. Colleen Moore, Associate Professor of Biochemistry, MDA. B.A., M.A., Texas, 1945, 1950; Ph.D., Univ. of Wisconsin, 1958.
- Alan G. Robison, Professor and Director of the Program in Pharmacology, UTHMS. B.Sc., Univ. of Alberta, 1957; M.S., Ph.D., Tulane Univ., 1962.
- Grady F. Saunders, Assistant Professor of Biochemistry, MDA. B.S., M.S., Oregon State, 1960, 1962; Ph.D., Univ. of Illinois, 1965.
- Max Schlamowitz, Associate Professor of Biochemistry, MDA. B.S., College of the City of New York, 1940; M.S., Ph.D., Univ. of Michigan, 1941, 1946.
- William J. Schull, Professor of Medical Genetics and Director, Center for Demographic and Population Genetics, GSBS. B.S., M.S., Marquette Univ., 1946, 1947; Ph.D., Ohio State Univ., 1949.
- Joseph R. Shaeffer, III, Associate Professor of Biology, MDA. B.S., Mass. Institute of Tech., 1956; Ph.D., Univ. of Rochester, 1962.
- Robert J. Shalek, Professor of Biophysics and Head, Department of Physics, MDA. B.A., Univ. of Illinois, 1943; M.A., Southern Methodist, 1948; M.A., Ph.D., Rice, 1950, 1953.
- Charles R. Shaw, Professor of Biology, MDA. M.D., New York Univ. College of Medicine, 1946.
- Margery W. Shaw, Professor of Biology and Director, Medical Genetics Center, GSBS. A.B., Univ. of Alabama, 1945; M.A., Columbia, 1946; M.D., Univ. of Michigan, 1957.
- Edwin L. Smith, Professor of Physiology, DB. Ph.G., B.Sc., M.Sc., Univ. of Nebraska, 1929, 1935, 1938; Ph.D., Univ. of Chicago, 1941.

- Harry G. Sperling, Professor and Director, Neural Sciences, GSBS. A.B., Univ. of Pennsylvania, 1944; Ph.D., Columbia Univ., 1953.
- Emil Steinberger, Professor and Director, Program in Reproductive Biology and Reproductive Endocrinology, UTHMS. M.Sc., M.D., State Univ. of Iowa, 1955, 1955.
- T. Elton Stubblefield, Associate Professor of Biology, MDA. B.S., North Texas State, 1957; M.S., Ph.D., Univ. of Wisconsin, 1959, 1961.
- Joan L. Suit, Associate Professor of Biology, MDA. B.S., Oregon State, 1953; M.A., Ph.D., Stanford, 1955, 1957.
- A. Cecil Taylor, Professor of Anatomy, DB; Member, DSI. B.A., Taylor Univ., 1930; M.S., Univ. of Kentucky, 1934; Ph.D., Univ. of Chicago, 1942.
- Carl F. Tessmer, Professor of Pathology, MDA. M.D., Univ. of Pittsburgh, 1935.
- Robert Tuttle, Professor of Microbiology and Associate Dean for Academic Affairs, UTHMS. B.S., Univ. of New Hampshire, 1943; M.D., Univ. of Rochester School of Medicine and Dentistry, 1947.
- Earl F. Walborg, Jr., Associate Professor of Biochemistry, MDA. B.A., Austin College, 1958; Ph.D., BUCM, 1962.
- Charles F. Walter, Associate Professor of Biomathematics and Biochemistry, MDA. B.S., Georgia Tech., 1957; M.S., Ph.D., Florida State College, 1961.
- Darrell N. Ward, Professor and Head, Department of Biochemistry, MDA. B.S., Utah State Agriculture College, 1949; M.S., Ph.D., Stanford, 1951, 1953.
- Joe G. Wood, Professor of Neurobiology and Director, Program in Neurostructure and Function, UTHMS. B.S., M.S., Univ. of Houston, 1953; Ph.D., Univ. of Texas Medical Branch, 1962.
- Stuart O. Zimmerman, Associate Professor and Head, Department of Biomathematics, MDA. B.A., Ph.D., Univ. of Chicago, 1954, 1964.

Associates

- Patton T. Allen, Assistant Professor of Virology, MDA. B.S., Southwest Texas State College, 1962; Ph.D., Texas, 1966.
- Robert E. Anderson, Assistant Professor of Biochemistry, BCM. B.A., M.S., Ph.D., Texas A & M Univ., 1963, 1965, 1968.
- Ralph B. Arlinghaus, Assistant Professor of Biology, MDA. B.S., M.S., Ph.D., Univ. of Cincinnati, 1957, 1959, 1961.
- Frances E. Arrighi, Assistant Biologist, MDA. B.S., Marymount College, 1947; M.S., Louisiana State Univ., 1961; Ph.D., Texas, 1965.
- James N. Baptist, Assistant Professor of Biology, MDA. B.S., Case Institute of Technology, 1952; Ph.D., Univ. of Illinois, 1957.

- Charles M. Barnes (Special), Professor of Comparative Pathology, NASA. D.V.M., Texas A & M Univ., 1944; Ph.D., Univ. of Calif. at Davis, 1957.
- Sam Barranco, Assistant Professor of Surgery (Biology), MDA. B.S., M.S., Texas A & M Univ., 1960, 1962; Ph.D., The Johns Hopkins Univ., 1968.
- Stanley Blatti, Assistant Professor of Biochemistry, UTHMS. B.A., Univ. of Minnesota, 1964; Ph.D., Michigan State Univ., 1968.
- Joseph M. Bloom, Assistant Professor of Mental Sciences, TRIMS. B.M., North Texas State, 1955; Ph.D., Texas, 1963.
- Gerald P. Bodey, Sr., Assistant Professor of Medicine, MDA. A.B., Lafayette College, 1956; M.D., The Johns Hopkins Univ., 1960.
- Thomas Burks, Associate Professor of Pharmacology, UTHMS. B.S., M.S., Texas, 1962, 1964; Ph.D., Univ. of Iowa College of Medicine, 1967.
- James E. Carver, Assistant Professor of Biology, MDA. A.B., William Jewell College, 1951; M.S., Univ. of Calif. at Berkeley, 1961; Ph.D., Univ. of Pittsburgh, 1965.
- James L. Claghorn, Associate Professor of Mental Sciences, TRIMS. A.B., Oberlin College, 1957; M.D., Albany Medical College of Union Univ., 1961.
- Steven J. Cool, Assistant Professor of Neural Sciences, GSBS. A.B., Trinity College, 1962; A.M., Ph.D., Univ. of Illinois, 1965, 1966.
- Peter Corry, Assistant Professor of Biophysics, MDA. B.S., McGill Univ., 1960; M.S., Ph.D., GSBS, 1966, 1968.
- M. L. J. Crawford, Associate Professor of Neural Sciences, GSBS. B.S., M.S., Ph.D., Univ. of Georgia, 1959, 1960, 1962.
- Thomas A. Decker (Special), Assistant Professor of Physiological Optics, BCM. B.A., Florida State Univ., 1962; M.Sc., Ph.D., Brown Univ., 1966, 1967.
- Nicola Di Ferrante (Special), Associate Professor of Biochemistry, BCM. M.D., Univ. of Rome, 1948; Ph.D., Univ. of Rochester, 1961.
- Samuel Dreizen, Professor and Member, DSI. B.A., Brooklyn College, 1941; D.D.S., Western Reserve Univ., 1945; M.D., Northwestern Univ., 1958.
- Benjamin Drewinko, Assistant Professor of Clinical Pathology, MDA. B.S., B.A., National College Bartolome Mitre, 1956, 1956; M.D., Buenos Aires Univ. School of Medicine, 1962; Ph.D., GSBS, 1970.
- Leo F. Englert, Instructor of Mental Sciences, TRIMS. B.A., Colorado State Univ., 1960; M.S., Iowa State Univ., 1964; Ph.D., Texas A & M Univ., 1969.
- Louis Fabre, Assistant Professor of Mental Sciences, TRIMS. B.S., Akron Univ., 1963; Ph.D., Case-Western Reserve, 1966; M.D., BUCM, 1969.

- Robert W. Farmer, Assistant Professor of Mental Sciences, TRIMS.
B.S., M.S., Ph.D., Univ. of Maryland, 1959, 1964, 1967.
- David C. Fenimore, Assistant Professor of Mental Sciences, TRIMS.
B.A., De Pauw Univ., 1952; Ph.D., Univ. of Houston, 1966.
- Emil J. Freireich, Professor of Medicine, MDA. B.S., M.D., Univ.
of Illinois, 1947, 1949.
- James D. Frost, Associate Professor of Physiology, BCM. B.A.,
Stanford Univ., 1958; M.D., BCM, 1962.
- Stephen George, Assistant Professor of Biometrics, MDA. B.A.,
Texas Tech. College, 1965; M.S., North Carolina State Univ.,
1967; Ph.D., Southern Methodist Univ., 1969.
- Kathleen R. Gibson, Assistant Professor of Anatomy, DB. B.A.,
Univ. of Michigan, 1963; M.A., Ph.D., Univ. of Calif. at
Berkeley, 1969, 1970.
- Howard Glenn, Associate Professor of Chemistry, MDA. B.A., St.
Olaf College, 1941; M.S., Ph.D., Univ. of Wisconsin, 1944,
1948.
- Millicent E. Goldschmidt, Associate Professor of Microbiology, GSBS.
B.A., Case-Western Reserve Univ., 1947; M.S., Ph.D., Purdue
Univ., 1950, 1952.
- Margaret A. Goldstein, Assistant Professor of Biology, BCM. B.A.,
Ph.D., Rice Univ., 1965, 1969.
- Charles W. Haidle, Assistant Professor of Biology, MDA. B.A.,
Rutgers Univ., 1958; M.S., Ph.D., Univ. of Wisconsin, 1960,
1964.
- Robert T. Harris, Associate Professor of Mental Sciences, TRIMS.
B.A., Rice Univ., 1950; M.A., Ph.D., Univ. of Houston, 1961,
1964.
- Thomas P. Haynie, III, Associate Professor of Medicine, MDA. M.D.,
BCM, 1956.
- Robert L. Hazelwood (Special), Professor of Physiology, U of H.
B.A., M.A., Univ. of Calif. at Berkeley, 1950, 1952; Ph.D.,
Univ. of Calif. at Davis, 1958.
- Evan M. Hersh, Assistant Professor of Medicine, MDA. B.S., The
College of the City of New York, 1956; M.D., Columbia Univ.,
1960.
- Da Hsi Wang Ho, Assistant Professor of Biochemistry, MDA. B.S.,
Taiwan Normal Univ., 1955; M.S., Ph.D., Univ. of Oregon, 1959,
1962.
- Glenn Housholder, Assistant Professor of Pharmacology, DB. B.S.,
Univ. of Houston, 1947; Ph.D., GSBS, 1970.
- Daniel Inners, Assistant Professor of Biology, MDA. B.S., Ph.D.,
Univ. of Pittsburgh, 1961, 1966.
- Joseph A. Jachimczyk (Special), Professor of Forensic Pathology,
GSBS. M.D., Univ. of Tennessee College of Medicine; LL.B.,
Boston College Law School, 1958.
- Roy H. Jacob, Assistant Professor of Physiology, GSBS; Assistant
Member, DSI. B.A., Ph.D., Univ. of Minnesota, 1952, 1968.

- Monroe F. Jahns, Assistant Professor of Biophysics, MDA. B.S., Texas A & M Univ., 1949; M.A., Ph.D., Texas, 1964, 1966.
- John H. Jardine (Special), Associate Professor of Veterinary Medicine and Surgery and Chief, Section of Experimental Animals, MDA. B.S., Louisiana Polytechnic Institute, 1954; D.V.M., Texas A & M Univ., 1962.
- Clement Johnson (Special), Associate Professor of Neural Sciences, GSBS. B.A., Sacred Heart Dominican College, 1946; B.A., Incarnate Word College, 1950; M.S., St. Louis Univ., 1952; Ph.D., Texas, 1964.
- Robert J. Johnson, Assistant Professor of Mental Sciences, TRIMS. B.A., Univ. of Minnesota, 1958; M.S., Ph.D., Univ. of Nebraska, 1961, 1966.
- William M. Lamkin, Assistant Professor of Biochemistry, MDA. B.S., Missouri Valley College, 1956; M.S., Ph.D., The Univ. of Missouri, 1960, 1964.
- Eugene P. Lazzari, Associate Professor of Biochemistry, DB. B.S., Univ. of Scranton, 1953; M.A., Williams College, 1955; Ph.D., Iowa State Univ., 1961.
- Ming Cheng Liau, Assistant Professor of Biochemistry, MDA. B.S., M.S., National Taiwan Univ., 1958, 1960; Ph.D., BUCM, 1966.
- James A. Lloyd, Assistant Professor of Reproductive Biology, UTHMS. B.S., M.S., Pennsylvania State Univ., 1955, 1957; Sc.D., The Johns Hopkins Univ., 1961.
- Bruce Mackay, Assistant Professor of Pathology, MDA. M.B., Ch.B., Univ. of Edinburgh, 1956; Ph.D., Univ. of Edinburgh, 1961.
- Kenneth O. Madsen, Professor of Biochemistry, DB. B.S., Univ. of Wyoming, 1950; M.S., Ph.D., Univ. of Wisconsin, 1953, 1958.
- Koshi Maruyama, Assistant Professor of Virology, MDA. B.M., M.D., Hokkaido Univ. School of Medicine, 1957, 1962.
- John P. McGovern (Special), Professor and Chairman, History of Medicine, Professor of Allergy, GSBS. B.S., M.D., Duke Univ., 1941, 1945.
- Robert F. McGregor, Assistant Professor of Biochemistry, MDA. B.S., Univ. of Illinois, 1948; M.S., Univ. of Wyoming, 1955; Ph.D., BUCM, 1961.
- Louis S. Meharg, Associate Professor of Biomedical Engineering, GSBS. B.S., M.S., Ph.D., Texas, 1957, 1960, 1965.
- Raymond E. Meyn, Jr., Assistant Professor of Biophysics, MDA. B.S., M.S., Ph.D., Univ. of Kansas, 1965, 1967, 1969.
- John M. Miller, Assistant Professor of Medicine and Physiology, MDA. M.B., Ch.B., M.D., Edinburgh Univ. Medical School, 1958; M.Sc., (Med) Univ. Alberta, Faculty of Graduate Studies, 1962.
- George D. Oliver, Assistant Professor of Biophysics, MDA. B.Sc., Lamar State College of Tech., 1963; M.Sc., North Carolina State Univ., 1966; Ph.D., Univ. of Oklahoma, 1968.
- Poen S. Ong, Associate Professor of Pathology, MDA. Prop., Candidate, Ir, Dr. (Ph.D.), Univ. of Delft, The Netherlands, 1951, 1955, 1956, 1959.

- Antonio Orengo, Assistant Professor of Biophysics, MDA. B.A., Liceo Vittorio Emanuele II, 1948; M.D., Univ. of Naples, 1955.
- Richard Peterson, Assistant Professor of Neurobiology, UTHMS. B.A., Bethel College, 1964; M.S., Ph.D., Univ. of North Dakota, 1967, 1969.
- John G. Pirsch, Professor of Anatomy, DB. B.S., Creighton Univ., 1948; M.S., Ph.D., State Univ. of Iowa, 1949, 1955.
- James P. Preslock, Assistant Professor of Physiology, GSBS; Assistant Member, DSI. B.S., Univ. of Scranton, 1964; Ph.D., Univ. of Maryland, 1969.
- John F. Prince (Special), Assistant Professor of Physics, GSBS; Research Supervisor, EPRC. B.S., Ph.D., Texas, 1961, 1966.
- Elizabeth S. Priori, Assistant Professor of Virology, MDA. B.S., M.S., Univ. of Pittsburgh, 1955, 1958; Ph.D., Texas, 1968.
- Don M. Ranly, Assistant Professor of Physiology (Pedodontics), MDA. D.D.S., Loyola Dental School, 1961; Ph.D., GSBS, 1968.
- Potu N. Rao, Associate Professor of Cell Biology, MDA. B.S., Andhra Univ., 1950; M.S., Indian Agricultural Res. Institute, 1955; Ph.D., Univ. of Kentucky, 1963.
- Mary K. Roach, Assistant Professor of Mental Sciences, TRIMS. B.S., Texas College of Arts and Industries, 1957; M.A., Ph.D., Texas, 1960, 1967.
- Marvin M. Romsdahl, Associate Professor of Surgery, MDA. A.B., B.S., Univ. of South Dakota, 1952, 1954. M.D., Univ. of Illinois College of Medicine, 1956; Ph.D., GSBS, 1968.
- Doris Ross (Special), Biochemist and Associate Director of Clinical Laboratories, HH. B.S., Texas Women's Univ., 1947; M.S., BUCM, 1958; Ph.D., GSBS, 1967.
- Naquib A. Samaan, Associate Professor of Medicine and Physiology, MDA. M.B., Ch.B., D.M., Alexandria Univ., 1951, 1951, 1953; M.R.C.P., Univ. of Edinburgh, 1958; L.R.C.P., M.R.C.S., London College of Physicians and Surgeons, 1959; Ph.D., Univ. of London, 1964.
- Joseph Schoolar, Associate Professor of Mental Sciences, TRIMS. A.B., M.S., Univ. of Tennessee, 1950, 1952; Ph.D., M.D., Univ. of Chicago, 1957, 1960.
- Gabriel Seman, Associate Professor of Virology, MDA. M.D., Faculte de Medecine de Paris, France, 1954.
- Linda L. Shanbour, Associate Professor of Physiology, UTHMS. B.S., Central State College, 1963; M.S., Univ. of Oklahoma, 1965; Ph.D., Univ. of Alabama, 1968.
- Ira L. Shannon, Professor of Biochemistry, VA. B.S., Pacific Univ., 1947; D.M.D., Univ. of Oregon Dental School, 1951; M.S.D., Univ. of Calif. Dental School, San Francisco, 1955.
- John W. Simpson, Assistant Professor of Biochemistry, DB; Assistant Member DSI. B.A., Phillips Univ., 1957; M.A., Ph.D., Rice Univ., 1959, 1965.
- Joseph G. Sinkovics, Associate Professor of Medicine, MDA. M.D., Univ. of Budapest, 1948.

- Malcolm H. Skolnick, Professor and Director, Program in Biomedical Communications and Professor of Physiology, UTHMS. B.S., Univ. of Utah, 1956; M.S., Ph.D., Cornell Univ., 1959, 1962.
- Willard N. Smith, Assistant Professor of Parasitology, DB; Assistant Member, DSI. B.S., M.S., Ph.D., Univ. of Maryland, 1950, 1953, 1966.
- Anna Steinberger, Associate Professor of Reproductive Biology, UTHMS. M.S., State Univ. of Iowa, 1952; Ph.D., Wayne State Univ., 1961.
- Joseph L. Streckfuss, Assistant Member, DSI. B.A., M.A., Ph.D., Southern Illinois Univ., 1958, 1961, 1968.
- Robert B. Szamier, Assistant Professor of Neurobiology, UTHMS. B.S., Purdue Univ., 1962; M.S., Ph.D., Univ. of Conn., 1966, 1969.
- Robert K. Tcholakian, Research Assistant Professor, UTHMS. A.A., Warren Wilson Jr. College, 1956; B.S., Berea College, 1958; M.S., Florida State Univ., 1963; Ph.D., Medical College of Georgia, 1967.
- Heyl G. Tebo, Professor of Anatomy, DB. A.B., M.A., Oglethorpe Univ., 1937, 1939; D.D.S., Emory Univ. School of Dentistry, 1947.
- Mary J. R. Tevethia, Assistant Professor of Biology, MDA. B.S., M.S., Ph.D., Michigan State Univ., 1960, 1962, 1964.
- Howard D. Thames, Jr., Associate Professor of Biomathematics, MDA. B.A., Ph.D., Rice Univ., 1963, 1970.
- J. Thomas Tidwell, Assistant Professor of Biology, MDA. B.S., Univ. of Alabama, 1956; M.A., Columbia Univ., 1962; Ph.D., Rockefeller Univ., 1967.
- Jose M. Trujillo, Associate Professor of Pathology, MDA. B.S., Institute Nacional Panama, 1944; M.D., National Univ. of Buenos Aires Medical School, 1956.
- Jorge Veronelli, Assistant Professor of Virology, MDA. M.D., Univ. of Buenos Aires, 1958; Ph.D., Univ. of Michigan, 1966.
- James J. Vogel, Assistant Member, DSI; Assistant Professor of Biochemistry, DB. A.B., William Jewell College, 1957; M.S., Ph.D., Univ. of Wisconsin, 1959, 1961.
- Elna H. White, Assistant Professor of Mental Sciences, TRIMS. B.A., M.A., Ph.D., U of H, 1960, 1961, 1963.
- H. Rodney Withers, Professor of Radiotherapy, MDA. M.B.B.S., Univ. of Queensland, 1956; Ph.D., Univ. of London, 1965.
- David Wright, Assistant Professor of Biology, GSBS. B.S., Univ. of Maryland, 1963; M.S., Univ. of Illinois, 1965; Ph.D., Washington Univ., 1968.
- Alfonso Zermeno, Assistant Professor of Radiology, MDA. B.S., M.S., St. Mary's Univ., 1960, 1964; Ph.D., GSBS, 1968.

Abbreviations

BCM	Baylor College of Medicine
DB	The University of Texas at Houston Dental Branch
EPRC	Esso Production Research Company
GSBS	The University of Texas at Houston Graduate School of Biomedical Sciences
HH	The Hermann Hospital
MDA	The University of Texas at Houston M. D. Anderson Hospital and Tumor Institute
NASA	National Aeronautics Space Administration, Manned Spacecraft Center
SPH	The University of Texas at Houston School of Public Health
TRIMS	Texas Research Institute of Mental Sciences
U of H	University of Houston
UTHMS	The University of Texas at Houston Medical School
VA	Veteran's Administration Hospital

S E C T I O N V I I I
G R A D U A T E S O F T H E P R O G R A M

DEGREES CONFERRED

1966-March, 1972

DOCTOR OF PHILOSOPHY

	Year of Graduation	Present Occupation and Location
Robert R. Klevecz	1966	Faculty, Department of Biology, City of Hope Medical Center, Duarte, California
Houston Wade	1966	Student, McMaster Univeristy Medical School, Hamilton, Ontario, Canada
Edward Montgomery	1967	Faculty, Department of Pharmacology, University of Oregon Dental School, Portland, Oregon
Doris L. Ross	1967	Associate Director, Clinical Labs and Biochemist, Department of Biochemistry, Hermann Hospital, Houston, Texas
Robert G. Waggener	1967	Assistant Professor Radiology, The University of Texas Medical School, San Antonio, Texas
Max Boone, M.D.	1968	Director and Professor, Radiotherapy, Radiotherapy Center, University of Wisconsin Hospitals, Madison, Wisconsin
Peter Corry	1968	Assistant Professor of Biophysics, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston, Texas
Don Ranly	1968	Assistant Professor, Department of Physiology, The University of Texas Dental Branch, Houston, Texas
Marvin Romsdahl, M.D.	1968	Associate Professor of Surgery, The University of Texas; Associate Surgeon, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston, Texas
Peter Schatzki, M.D.	1968	Assistant Professor of Surgical Pathology, Medical College of Virginia, Richmond, Virginia
Elmer Scheltgen	1968	Assistant Professor, Department of Cancer Research, University of Saskatchewan, Saskatoon, Saskatchewan, Canada
David Steward	1968	Research Associate, Department of Infectious Diseases, Dow Chemical Company Zionsville, Illinois
Alfonso Zermeno	1968	Assistant Biophysicist, Diagnostic Radiotherapy, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston, Texas
Betty C. Altenburg	1969	Post-Doctoral Fellow, Research Associate, University of Gottingen, Gottingen, Germany
Larry L. Deaven	1969	Post-Doctoral Fellow, Cellular Radiobiology Section, Biomedical Research Group, Los Alamos Scientific Laboratory of The University of California, Los Alamos, New Mexico
Roosevelt J. Jones	1969	Assistant Professor of Biology, Department of Biology, University of Houston, Houston, Texas

*Doctor of Philosophy
(cont'd.)*

	Year of Graduation	Present Occupation and Location
Lawrence H. Thompson	1969	Post-Doctoral Fellow, Department of Medical Biophysics, Ontario Cancer Institute, Toronto, Canada
Lewis C. Altenburg	1970	Post-Doctoral Fellow, Max Planck Institute for Experimental Medicine, Göttingen, Germany
Henry Y. Chou	1970	Post-Doctoral Fellow, Public Health Service, Department of Physiology, Woodruff Medical Center, Emory University, Atlanta, Georgia
Marion L. Dodson, Jr.	1970	Assistant Professor, Department of Biology, University of Louisville, Louisville, Kentucky
Benjamin Drewinko, M.D.	1970	Assistant Professor of Pathology, Assistant Pathologist, Department of Clinical Pathology, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston, Texas
Peter N. Gray	1970	Post-Doctoral Fellow, Centre National de la Recherche Scientifique, Marseille, France
Suzanne H. Hampton	1970	Assistant Member, Denat'l Science Institute, Houston, Texas
Glenn T. Housholder	1970	Assistant Professor, Department of Physiology and Pharmacology, The University of Texas Dental Branch, Houston, Texas
Michael E. McClure	1970	Post-Doctoral Fellow, Department of Biochemistry, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston, Texas
Marilyn Arnott Rasco	1970	Instructor, Department of Human Genetics, The University of Texas Medical Branch, Galveston, Texas
Gerald J. Tritz	1970	Assistant Professor, Department of Microbiology, The University of Georgia Athens, Georgia
Granville W. Wray	1970	Post-Doctoral Fellow, McArdle Laboratory for Cancer Research, University of Wisconsin, Madison, Wisconsin
Virginia L. Wray	1970	Post-Doctoral Fellow, McArdle Laboratory for Cancer Research, University of Wisconsin, Madison, Wisconsin
Ann E. Wright	1970	Assistant Professor of Radiological Physics, Department of Radiology, Baylor College of Medicine, Houston, Texas
James H. Brown	1971	Position pending
Kuang Y. Chen, M.D.	1971	Assistant Professor, National Defense Medical Center, Department of Physical Medicine, Taipei, Taiwan, Republic of China
Ronald S. Harwerth	1971	Assistant Professor of Optometry, University of Houston, Houston, Texas
Harvey L. Kincaid, Jr.	1971	Post-Doctoral Fellow, Research Associate, Aquarium Laboratory, Pacific Biomedical Research Center, University of Hawaii, Honolulu, Hawaii

*Doctor of Philosophy
(cont'd.)*

	Year of Graduation	Present Occupation and Location
William A. Newton, M.D.	1971	Project Investigator, Department of Virology, The University of Texas M.D. Anderson Hospital and Tumor Institute, Houston, Texas
John B. Simpson	1971	Medical Student, Duke University College of Medicine, Durham, North Carolina
Sandra Ann Murphree	1971	Post Doctoral Fellow, Yale University Medical School, Dept. of Pharmacology New Haven, Connecticut
Dolores Murl Peterson	1972	Project Investigator, Department of Biochemistry, M. D. Anderson Hospital and Tumor Institute, Houston, Texas

MASTER OF SCIENCE (BIOLOGICAL ULTRASTRUCTURE)

	Year of Graduation	Present Occupation and Location
Manley McGill	1970	Pursuing Ph.D. degree at The University of Texas Graduate School of Biomedical Sciences, Houston, Texas
J. R. Rattner	1970	Pre-Doctoral Fellow, Department of Biology, Washington University, St. Louis, Missouri
Alan H. Gerulath, M.D.	1971	Fellow-Gynecology, Department of Surgery, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston
Dr. Jaroslava Trojan	1971	Unknown Position

MASTER OF SCIENCE (MEDICAL PHYSICS)

E. B. Hranitzky	1969	Assistant in Physics, Department of Physics, The University of Texas M. D. Anderson Hospital and Tumor Institute, Houston, Texas
Dale W. Campbell	1971	Radiological Physicist, Hershey Medical Center, Department of Radiology, Hershey, Pennsylvania
Kenneth B. McCray	1971	Radiation Physicist, Baptist Memorial Hospital, Oklahoma City, Oklahoma
Samuel Stephen Hancock	1971	Medical Physicist, Oakwood General Hospital Dearborn, Michigan

Respectfully submitted,

Alfred G. Knudson, Jr., M.D., Ph.D.
D E A N

THE UNIVERSITY OF TEXAS
SCHOOL OF PUBLIC HEALTH AT HOUSTON

May 12, 1972

Dr. Charles A. LeMaistre
Chancellor
The University of Texas
Austin, Texas 78712

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas on June 9, 1972:

GOVERNMENT CONTRACTS AND GRANTS: The following contracts, grants and amendments have been negotiated by the Business Manager, and have been signed by the Dean upon recommendation of the Principal Investigator, and the Business Manager, and approved by the Comptroller and Deputy Chancellor for Administration. I recommend your approval and ratification of signatures.

1. Contract No. NAS 9-12640 by which the National Aeronautics and Space Administration provides funds for the project "Comparative Health Status Studies" for the period February 1, 1972 through January 15, 1973, in the amount of \$41,100. This contract is under the direction of Dr. Darwin R. Labarthe.
2. Grant No. 5 R01 CC 00567-02 by which the Research Grants Center for Disease Control provides funds for the project "Are Recent VEE Outbreaks in Mexico a Threat to U.S.?" for the period June 1, 1972 through May 31, 1973 in the amount of \$10,783. This grant is under the direction of Dr. Robert H. Kokernot.

BUDGET CHANGES: The following budget changes are submitted for your approval and presentation to the Board of Regents at its meeting in Galveston, Texas on June 9, 1972.

1971-72

General Administration (Office of the Dean)

1. Increase in Salary. Morris R. Loden, Assistant to the Dean, from the rate of \$12,500.00 per annum to the rate of \$13,800.00 per annum payable from Office of the Dean, effective April 1, 1972. Source of funds for the increase is the Reserve for Professional Salaries Account. (RBC 82)

Teaching, Service and Research (Chronic Diseases)

2. Change in Source of Salary. John A. Napier, B.A., Associate Research Biometrician (Without Tenure), from the rate of \$6,000.00 per annum to the rate of \$13,000.00 per annum from Chronic Diseases (General Funds) and from the rate of \$20,000.00 per annum to the rate of \$13,000.00 per annum from National Institutes of Health Contract NIH-71-2156, effective September 1, 1971. (Rev. RBC 51)

Teaching, Service and Research (Health Services Administration)

3. Appointment. Lynn A. Greene, Systems Analyst, payable at the rate of \$12,000.00 per annum from National Institutes of Health Contract NIH-71-4073, effective March 15, 1972. (RBC 80)

4. Resignation. Glen E. Kost, B.A., M.P.H., Research Associate (Without Tenure), payable at the seventy-five percent rate of \$12,800.00 per annum from National Institutes of Health Contract 71-4063, effective April 4, 1972. (RBC 81)

Teaching, Service and Research (International Health)

5. Appointment. Stephen W. Bennett, Ph.D., Associate Professor of Epidemiology (Without Tenure), payable at the rate of \$25,000.00 per annum from Public Health Service Grant 2-E02-AH-00016-03, effective March 1, 1972. (Rev. RBC 78)

Transfer of Legislative Appropriations

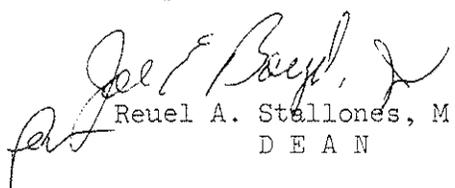
6. Senate Bill No. 11 as amended by Senate Bill No. 7, First Called Session of the Sixty-Second Legislature, Article IV Page 3711 of the General and Special laws of the State of Texas provide that the Board of Regents of The University of Texas System may make such transfers as it deems necessary between items of appropriation made for The University of Texas School of Public Health at Houston. To meet the budgetary obligations of the School of Public Health for the 1971-72 fiscal year it is necessary that transfers as indicated below be made between legislative appropriations. These transfers have been approved by the Deputy Chancellor for Administration.

<u>Legislative Appropriation Number</u>	<u>Legislative Appropriation Title</u>	<u>Amount to be Transferred</u>
TRANSFER FROM:		
2-14690	Teaching, Service and Research	<u>\$18,000.00</u>
TRANSFER TO:		
2-14689	All Other General Administration	\$ 6,000.00
2-14691	Library	<u>12,000.00</u>
	TOTAL	<u>\$18,000.00</u>

ADJUNCT FACULTY APPOINTMENTS: The following Adjunct Faculty appointments without salary and without tenure have been recommended by the Dean and approved by the Chancellor.

1. Charles E. Fuller, D.V.M., M.P.H., Adjunct Associate Professor of Environmental Health
2. James Lee McQueen, D.V.M., M.P.H., Dr.P.H., Adjunct Associate Professor of Environmental Health
3. Bennie C. Wooley, Ph.D., Adjunct Associate Professor of Medical Microbiology.

Respectfully submitted,


Reuel A. Stallones, M.D., M.P.H.
D E A N

THE UNIVERSITY OF TEXAS NURSING SCHOOL
 (SYSTEM-WIDE)
 Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

May 12, 1972

Chancellor Charles A. LeMaistre
 The University of Texas System
 Austin, Texas

Dear Chancellor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Austin on June 9, 1972:

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET

Nursing School - System Offices

1. Appoint Thomas M. Grady (non-tenure) as Business Manager, at a salary rate of \$22,000 for 12 months, effective May 1, 1972. Source of Funds: Administrative and Professional Salaries. (RBC# N-91)

Transfer of Funds

2. Amount of Transfer - \$7,400

To: Administrative and Professional Salaries

From: Planning and development of new student programs and facilities

To provide funds for salary for business manager through August 31, 1972. (RBC# N-88)

Undergraduate Nursing School at Austin

Transfer of Funds

1. Amount of Transfer - \$6,500

To: Maintenance, Operation and Equipment

From: Planning and development of new student programs and facilities

To provide funds for the operation of the School for the remainder of the year. (RBC# N-86)

Clinial Nursing School at Galveston

Transfer of Funds

1. Amount of Transfer - \$10,000

To: Maintenance, Operation and Equipment

From: Planning and development of new student programs and facilities

To provide funds for the operation of the School for the remainder of the year. (RBC# N-87)

2. Amount of Transfer - \$1,600

To: Travel

From: System Offices - Travel

To provide funds for travel for the remainder of the year. (RBC# N-90)

Houston Nursing Program

Transfer of Funds

1. Amount of Transfer - \$50,000

To: Planning for Houston Nursing School

From: Planning and development of new student programs and facilities

To provide funds for equipping the facilities for the Houston Nursing Program. (RBC# N-92)

Catalogue Changes

Revision in Bachelor of Science in Nursing Degree Requirements

F

The General Faculty recommends the following changes in upper division nursing courses, to be effective in September 1972. Changes in lower division requirements were approved by the Board of Regents on March 12, 1971.

<u>Present</u>	Semester Hours
Nursing 510. Fundamentals of Nursing	5
Nursing 623, 624. Nursing of Childbearing and Childrearing Families	12
Nursing 633, 634. Medical-Surgical Nursing ...	12
Nursing 360. Public Health Science	3
Nursing 661. Community Health Nursing	6
Nursing 665. Perspectives in Clinical Nursing ...	6
Nursing 369. Trends in Nursing	3
Nursing 670. Leadership and Management in Nursing	6
Nursing 673. Psychiatric Nursing	6
Total	<u>59</u>

Proposed

The nursing major begins in the junior year after completion of 60 hours of basic liberal arts coursework providing a foundation for understanding the whole (bio-psycho-social-linguistic) man as he exists in different states of health and illness. The curriculum is divided into four levels to provide continuity, sequence, and integration in the learning experiences. All of the major areas of nursing, including psychiatric, maternal, community health, and others, are studied each semester for four semesters with increasing depth and complexity of classroom learning and clinical experience.

Nursing Process: Care of Well Individuals

Focuses on the bio-psycho-social-linguistic behaviors of man as indicators of his level of wellness. Emphasis is placed upon the student's learning to assess the needs of individual patients associated with usual patterns of living and to implement their care through the nursing process. Basic concepts of the role of the professional nurse are introduced. Fifteen semester hours.

Nursing of Individuals and Families with Minor Health Problems

Focuses on the nursing process as utilized in the care of selected individuals and families experiencing minor disruptions in their health status. The student identifies pertinent research studies and, with assistance, applies findings to patient care situations. Twelve semester hours plus three elective hours.*

Nursing Intervention in Major Health Problems

Focuses on the implementation of the nursing process in relation to selected individuals, families, and groups experiencing health alterations resulting in major problems for that individual, family or group. Research studies in nursing are reviewed in terms of their relevance to improvement of health care of individuals and groups. Various types of health care settings are studied in terms of their effect on nursing's contribution to health care. Twelve semester hours plus three elective hours.*

Nursing in Health Care Systems

Focuses on the nursing process involving interdisciplinary approaches to care and on leadership and innovative functions of the nurse. Existing health care systems and patterns of health service delivery are analyzed in terms of the changing needs of society. Twelve semester hours plus three elective hours.*

*A minimum of three elective hours must be in nursing. Elective courses are to be developed to provide the opportunity for students to pursue special areas of interest. Examples might be cardiovascular, intensive care, or cancer nursing as well as independent study courses.

Total Upper Division Hours - 60

Total Hours for the Degree - 120

The General Faculty recommends the following changes in admission and scholastic policies, to become effective for the spring semester 1973:

Requirements for Enrollment in Upper-division Courses

Present

A minimum grade-point average of 2.0 is required for all courses taken in The University of Texas Nursing School and separately, a minimum grade-point average of 2.0 for all courses taken elsewhere.

Proposed

An overall grade-point average of 2.0 and, in addition, a grade-point average of 2.0 on all required lower division courses, excluding electives, is required for admission to upper division nursing courses.

Present

No requirement for physical examination prior to admission.

Proposed

A health history and physical examination, completed within the three months prior to enrollment, is required of all students applying for admission to upper-division nursing courses.

Courses Taken On a Pass-Fail Basis

Present

No policy.

Proposed

Six hours of free electives at the lower division level may be taken on a pass-fail basis.

Nine hours of electives at the upper-division level may be taken on a pass-fail basis.

Scholastic Probation

Present

If at the end of any long-session semester or summer session a student's cumulative grade-point average for the total number of hours undertaken falls below 2.0 he will be placed on scholastic probation.

Proposed

If at the end of any long-session semester or summer session a student's grade-point average for the total number of hours

undertaken in the Nursing School fall below 2.0, he will be placed on scholastic probation. The student shall be notified that he is on scholastic probation.

Scholastic Dismissal

Present

Students who fail to meet the minimum grade-point average requirement within a specified time are placed on enforced withdrawal for one semester.

Proposed

Students will no longer be placed on enforced withdrawal from the Nursing School for failure to achieve a 2.0 grade-point average. A student must have a 2.0 grade-point average to enter the upper division. If a course is failed and grade-point average drops below 2.0, the student is placed on scholastic probation. The course may be repeated and if passed, student may or may not continue on scholastic probation, depending on his grade-point average. He still must achieve a 2.0 grade-point average in order to graduate. If the course is failed, a second time, the student is not permitted to re-register.

Repetition of a Course

Present

If a student repeats a course, his official grade is the last one made.

Proposed

If a student repeats a course which he has failed, his official grade is the last one made. That official grade will thereafter be used in computing his grade-point average and the failing grade will not be included.

Graduation Requirements

Present

To be eligible for graduation a student must have an overall C average on all courses counted toward the degree.

Proposed

To be eligible for graduation a student must have a 2.0 grade-point average on the sixty semester hours of upper-division course work fulfilling the upper division requirements.

The Associate Dean and faculty on the Fort Worth campus recommend the following provisions for health services for students on that campus:

The University of Texas at Arlington Health Center is available

Two records

to all regularly enrolled students. The Center includes an out-patient unit and inpatient beds for short-term hospitalization. Emergency service is available 24 hours daily. Staffing includes a full-time psychiatrist-director, part-time general practitioners, and registered nurses.

In addition, all UT nursing students on the Fort Worth campus will participate in a health program provided by the Tarrant County Hospital District. Each student will have an annual physical examination performed by a physician at John Peter Smith Hospital. The cost for the examination will be \$15.00. At the time of the initial examination, a PA chest x-ray will be obtained at a cost of \$8.00, hematocrit, urinalysis and STS will be done at a cost of \$3.00, and tuberculin skin test performed for \$1.00.

After one year, those found to be tuberculin positive will have a PA chest x-ray and those who were tuberculin negative will be re-tested.

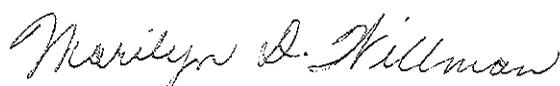
With each examination, a nose and throat culture will be done at a cost of \$1.00.

Students requiring immunization will receive them at a minimum charge.

All fees for the Health Services provided by Tarrant County Hospital District will be paid by the student at the time the service is given.

An acceptable health insurance policy is required since students are responsible for all hospitalization expenses. A group plan is available to those who wish to participate through The University of Texas at Arlington.

Sincerely yours,



Marilyn D. Willman
Dean

LAND AND INVESTMENT REPORT

Meeting of June 9, 1972

2783

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LAND AND INVESTMENT REPORT

For Month Ended March 31, 1972

I. PERMANENT UNIVERSITY FUND

PERMANENT UNIVERSITY FUND - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Permanent University Fund in March, 1972. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS

SECURITY	BOOK VALUE 8/31/71	BOOK YIELD 8/31/71	BOOK VALUE 3/31/72	BOOK YIELD 3/31/72
<u>DEBT SECURITIES:</u>				
U.S. Government Obligations--				
Treasury Bonds	\$107,723,291.67	4.26%	\$106,289,033.46	4.32%
Government Agencies	5,438,875.36	6.81	24,950,694.89	6.93
FHA Mortgages	15,622,444.51	6.83	16,170,073.06	6.86
TOTAL-U.S. Government Obligations	128,784,611.54	4.68	147,409,801.41	5.04
Corporate Bonds	234,360,279.62	4.91	233,972,635.43	4.93
TOTAL-DEBT SECURITIES	363,144,891.16	4.83	381,382,436.84	4.97
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	14,933,307.87	4.97	13,600,538.59	5.19
Conv. Preferred Stocks	15,848,192.03	4.16	15,848,192.03	4.16
Common Stocks	184,688,881.95	4.30	199,053,727.91	4.27
TOTAL-EQUITY SECURITIES	215,470,381.85	4.34	228,502,458.53	4.32
TOTAL-LONG TERM INVESTMENTS	578,615,273.01	4.65	609,884,895.37	4.73
<u>CASH & EQUIVALENT:</u>				
Commercial Paper	15,750,000.00	5.45	3,740,000.00	5.52
Investments Transactions--				
Accounts Payable	-0-		493,841.05	
Cash	483,744.55		529,217.44	
TOTAL-CASH & EQUIVALENT	16,233,744.55		4,763,058.49	
TOTAL-SECURITIES, CASH & EQUIVALENT	\$594,849,017.56	4.67%	\$614,647,953.86	4.73%

SUMMARY OF TRANSACTIONS
March 31, 1972

	Cost		Current Yield
Purchases:			
U.S. Government Obligations			
Treasury Notes	\$ 95,207.81		5.52%
Farmers Home Administration Notes	587,734.00		7.16
GNMA, Pool #682	1,987,657.36		7.17
Corporate Bonds	117,346.54		7.42
Common Stocks	5,589,324.97		3.46
 TOTAL LONG TERM PURCHASES	 \$8,377,270.68		 4.68%
		Gain or (Loss)	Current Yield
	Proceeds		
Sales:			
U.S. Government Obligations			
GNMA Principal Payments	\$ 64,434.81	(\$ 2,550.33)	7.73%
FHA Mortgages	91,705.65	-0-	7.00
Corporate Bonds	47,670.00	2,154.93	5.18
Convertible Debentures	242,500.00	(67,818.20)	4.64
Common Stocks	1,705,522.01	238,020.41	4.67
 TOTAL LONG TERM SALES	 \$2,151,832.47	 \$ 169,806.81	 4.87%

BOND EXCHANGES

Par Exchanged
\$12,071,000

Increase in
Annual Income
\$32,556.83

PERMANENT UNIVERSITY FUND BOOK VALUE

February 29, 1972 Balance		\$612,638,523.90
Additions (March, 1972)		
Realized Net Gain (Loss) on Security Transactions	169,806.81	
From General Land Office	1,839,623.15	2,009,429.96
March 31, 1972 Balance		\$614,647,953.86

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Cost	Current Yield
	<u>U. S. BONDS:</u>			
\$ 95,000.00	U.S. Treasury Notes, 5-5/8%, due 8/15/74	\$100.219	\$ 95,207.81	5.52%
	<u>U.S. GOVERNMENT OBLIGATIONS:</u>			
669,782.34	Farmers Home Administration, Insured Notes, 6%, due 12/14/91	87.75	587,734.00	7.16
1,925,091.87	GNMA, Pool #682, 7-1/2%, due 5/15/01	103.25	1,987,657.36	7.17
	TOTAL - U.S. Government Obligations		2,575,391.36	7.17
	<u>CORPORATE BONDS:</u>			
25,000.00	Alabama Power Co., 1st Mtge., 4-7/8%, due 9/1/95	71.21	17,802.50	7.50
10,000.00	Carolina Power & Light Co., 1st Mtge., 4-7/8%, due 4/1/90	73.055	7,305.50	7.65
7,000.00	Chesapeake & Potomac Tel. Co. of Md., Debs., 4-1/8%, due 12/1/93	67.327	4,712.89	7.10
20,000.00	Consumers Power Company, SF Debs., 4-5/8%, due 9/1/94	69.822	13,964.40	7.40
2,000.00	Florida Power Corp., 1st Mtge., 4-3/4%, due 10/1/90	75.75	1,495.00	7.25
15,000.00	Florida Power Corp., 1st Mtge., 4-1/4%, due 5/1/92	68.875	10,331.25	7.20
1,000.00	Mountain States Tel. & Tel. Co., Debs., 3%, due 8/1/89	58.70	587.00	7.20
30,000.00	Niagara Mohawk Power Corp., Gen. Mtge., 4-3/4%, due 4/1/90	73.039	21,911.70	7.50
5,000.00	Texas Electric Service Co., 1st. Mtge., 4-1/2%, due 2/1/95	69.50	3,475.00	7.25
9,000.00	Texas Power & Light Co., 1st. Mtge., 4-1/2%, due 1/1/95	70.40	6,336.00	7.15
36,000.00	San Diego Gas & Electric Co., Debs., 4-5/8%, due 1/15/84	77.75	27,987.80	7.50
2,000.00	Southern Bell Tel. & Tel. Co., Debs., 4-5/8%, due 12/1/93	71.875	1,437.50	7.21
	TOTAL - Corporate Bonds		117,346.54	7.42
	<u>COMMON STOCK:</u>			
12,000 Shares	BankAmerica Corp.	70.00	840,000.00	3.14
8,300 "	Bristol-Myers Co.	60.25	500,075.00	1.99
16,000 "	CPC International, Inc.	36.99	591,774.97	4.77
28,000 "	Chase Manhattan Corp.	54.00	1,512,000.00	3.70
7,800 "	General Electric Co.	62.75	489,450.00	2.23
10,000 "	McGraw-Hill, Inc.	16.62	166,225.00	3.61
17,000 "	Texas Utilities Co.	58.00	986,000.00	3.45
11,000 "	Union Carbide Corp.	45.80	503,800.00	4.37
	TOTAL - Common Stock		5,589,324.97	3.46
	TOTAL - LONG TERM INVESTMENTS		8,377,270.68	4.68

INVESTMENTS ACQUIRED
(Continued)

Par Value or No. Shares	Description	Price	Total Cost	Current Yield
	<u>BONDS EXCHANGED IN:</u>			
\$12,071,000.00	See Bond Exchange Schedule for Details		\$11,528,685.56	5.02%
	TOTAL - ALL INVESTMENTS ACQUIRED		<u>\$19,905,956.24</u>	<u>4.88%</u>

INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)	Market Yield
	<u>U.S. GOVERNMENT OBLIGATIONS:</u>				
\$ 64,434.81	GNMA, Various Pools FHA Mortgages	\$100.00	\$ 64,434.81	(\$ 2,550.33)	7.73%
	Principal Payments	100.00	91,705.65	-0-	7.00
	TOTAL - U.S. Government Obligations		<u>156,140.46</u>	<u>(2,550.33)</u>	<u>7.30</u>
	<u>CORPORATE BONDS:</u>				
4,000.00	Ohio Power Co., 1st Mtge., 6-1/2%, due 8/1/97	89.00	3,560.00	(209.43)	7.47
44,110.00	Shell Oil Co., Debs., 5%, 3/15/91	100.00	44,110.00	2,364.36	5.00
	TOTAL - Corporate Bonds		<u>47,670.00</u>	<u>2,154.93</u>	<u>5.18</u>
	<u>CONVERTIBLE DEBENTURES:</u>				
250,000.00	Owens-Illinois, Inc., Conv. Sub. Debs., 4-1/2%, due 11/1/92	97.00	242,500.00	(67,818.20)	4.64
	<u>COMMON STOCK:</u>				
14,844 Shares	Bankers Trust New York Corporation	58.71	871,448.28	134,296.12	4.84
4 rights	Commonwealth Edison Co.	.15	.60	-0-	-0-
29,355 Shares	Security Pacific National Bank	28.41	834,073.13	103,724.29	4.50
	TOTAL - Common Stock		<u>1,705,522.01</u>	<u>238,020.41</u>	<u>4.67</u>
	TOTAL - LONG TERM INVESTMENTS		<u>2,151,832.47</u>	<u>169,806.81</u>	<u>4.87</u>
	<u>BONDS EXCHANGED OUT:</u>				
\$12,071,000.00	See Bond Exchange Schedule for Details		11,734,596.69	-0-	4.81
	<u>COMMERCIAL PAPER:</u>				
1,500,000.00	Ford Motor Credit Co.	100.00	1,500,000.00	-0-	4.00
1,000,000.00	General Motors Acceptance Corp.	100.00	1,000,000.00	-0-	5.42
1,600,000.00	Sears Roebuck Acceptance Corp.	100.00	1,600,000.00	-0-	5.67
	TOTAL - Commercial Paper		<u>4,100,000.00</u>	<u>-0-</u>	<u>5.00</u>
	TOTAL - INVESTMENTS DISPOSED OF		<u>\$17,986,429.16</u>	<u>\$169,806.81</u>	<u>4.86%</u>

PERMANENT UNIVERSITY FUND

SUMMARY OF BOND EXCHANGES

March, 1972

<u>Exchanges</u>	<u>Par Value Exchanged</u>	<u>Book Value</u>		<u>Principal Takeout or (Payup) Required</u>	<u>Increase in Annual Income*</u>
		<u>Issue Exchanged</u>	<u>Issue Received</u>		
U. S. Treasury Bonds for Corporate Bonds	\$ 720,000	\$ 731,547.89	\$ 627,138.75	\$104,409.14	\$ 8,097.63
Corporate Bonds for Corporate Bonds	6,846,000	6,449,560.04	6,328,188.61	121,371.43	13,777.43
U. S. Treasury Bonds for U. S. Treasury Bonds	3,000,000	3,048,116.17	3,068,741.17	(20,625.00)	1,037.55
Corporate Bonds for U. S. Govt. Obligations	<u>1,505,000</u>	<u>1,505,372.59</u>	<u>1,504,617.03</u>	<u>755.56</u>	<u>9,644.22</u>
TOTAL - All Exchanges (March, 1972)	<u>\$12,071,000</u>	<u>\$11,734,596.69</u>	<u>\$11,528,685.56</u>	<u>\$205,911.13</u>	<u>\$ 32,556.83</u>

*Total income improvement includes income from investment of takeout on exchanges at current market yields.

BOND EXCHANGES
(March, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD IN-</u>	<u>BOOK YIELD</u>
					<u>CREASE</u>	
<u>U. S. Treasury Bonds for Corporate Bonds</u>						
\$ 50,000	U. S. Treasury Bonds 4-1/8%, due 5/15/94-89	Carolina Power & Light Co. 1st Mtge., 4-1/2%, due 11/1/91	\$ 50,801.94	\$ 46,426.81	1.084%	5.08%
					\$ 634.69*	
50,000	Ditto	Niagara Mohawk Power Corp. Gen. Mtge., 4-1/2%, due 11/1/91	50,801.94	46,426.81	1.084	5.08
					\$ 634.69	
50,000	Ditto	Gen. Tel. Co. of California 1st Mtge., 4-5/8%, due 12/1/91	50,801.94	47,033.82	1.104	5.10
					\$ 632.44	
45,000	Ditto	Alabama Power Co. 1st Mtge., 4-7/8%, due 5/1/89	45,721.74	44,076.43	1.054	5.05
					\$ 513.99	
25,000	Ditto	Pacific Tel. & Tel. Co. Debs., 3-1/8%, due 10/1/87	25,400.96	21,416.40	.414	4.41
					\$ 208.36	
188,000	Ditto	New Jersey Bell Tel. Co. Debs., 3-3/8%, due 12/1/95	191,015.28	155,478.34	.584	4.58
					\$ 1,975.53	
184,000	Ditto	Bell Tel. Co. of Pennsylvania Debs., 3-1/4%, due 3/1/96	186,951.13	149,196.86	.594	4.59
					\$ 2,020.37	
111,000	Ditto	Southern Bell Tel. & Tel. Co. Debs., 4-3/8%, due 4/1/2001	112,780.30	101,343.28	.944	4.94
					\$ 1,300.25	
17,000	Ditto	Florida Power Corp. 1st Mtge., 4-1/4%, due 5/1/92	17,272.66	15,740.00	.834	4.83
					\$ 177.31	
<u>\$ 720,000</u>	<u>Total Exchange of U. S. Treasury Bonds for Corporate Bonds</u> (March, 1972)		<u>\$ 731,547.89</u>	<u>\$ 627,138.75</u>	<u>\$ 8,097.63</u>	<u>(Total Income Improvement)</u>

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

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BOND EXCHANGES
(March, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>YIELD</u> <u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
		<u>Corporate Bonds for Corporate Bonds</u>				
\$ 20,000	West Penn Power Co. 1st Mtge., 4-7/8%, due 12/1/95	Texas Electric Service Co. 1st Mtge., 4-1/2%, due 2/1/95	\$ 19,580.79	\$ 18,646.99	-.03%	5.00%
					\$	31.73*
96,000	Northern Illinois Gas Co. 1st Mtge., 5%, due 6/1/84	Texas Electric Service Co. SF Debs., 5-1/4%, due 2/1/85	79,574.40	80,638.08	.07	7.17
					\$	57.51
14,000	Ditto	Long Island Lighting Co. 1st Mtge., 4-1/8%, due 5/1/88	11,604.60	9,749.88	.27	7.37
					\$	73.29
139,000	New Jersey Bell Tel. Co. Debs., 3-1/8%, due 7/15/88	New York Tel. Co. Ref. Mtge., 3%, due 10/15/89	126,350.00	122,053.51	.09	3.97
					\$	243.89
200,000	Genl. Motors Acceptance Corp. Debs., 4-5/8%, due 3/1/83	Genl. Motors Acceptance Corp. Debs., 4-5/8%, due 6/15/86	182,961.13	174,833.13	.26	5.94
					\$	561.86
945,000	Virginia Elec. & Power Co. 1st & Ref. Mtge., 4-1/2%, due 5/1/95	American Tel. & Tel. Co. Debs., 5-1/8%, due 4/1/2001	917,110.09	971,343.64	.23	4.94
					\$	992.14
150,000	Southwestern Bell Tel. Co. Debs., 4-5/8%, due 8/1/95	American Tel. & Tel. Co. Debs., 4-3/4%, due 6/1/98	146,379.34	146,124.34	.13	4.93
					\$	195.57
500,000	Southern Bell Tel. & Tel. Co. Debs., 4-3/4%, due 9/1/2000	Bell Tel. Co. of Pennsylvania Debs., 4-3/4%, due 5/1/2001	487,073.88	483,598.88	.04	4.86
					\$	265.72
100,000	Commonwealth Edison Co. 1st Mtge., 3%, due 5/1/84	American Tel. & Tel. Co. Debs., 3-7/8%, due 7/1/90	94,149.01	94,781.01	.71	4.29
					\$	651.34
95,000	Ditto	Mountain States Tel. & Tel. Co. Debs., 3%, due 8/1/89	89,441.56	81,195.56	.60	4.18
					\$	769.18

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND EXCHANGES
(March, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
		<u>Corporate Bonds for Corporate Bonds</u>					
\$ 95,000	Commonwealth Edison Co. 1st Mtge., 3%, due 5/1/84	New England Tel. & Tel. Co. Debs., 3-1/4%, due 11/15/91	\$ 89,441.56	\$ 81,835.86	.72%	4.30%	\$ 849.33*
42,000	Ditto	Duquesne Light Co. SF Debs., 5%, due 3/1/2010	39,542.59	41,283.07	1.52	5.10	\$ 567.99
20,000	Ditto	Texas Power & Light Co. 1st Mtge., 4-1/2%, due 12/1/88	18,829.81	20,070.41	.89	4.47	\$ 136.20
221,000	Pacific Tel. & Tel. Co. Debs., 4-5/8%, due 4/1/99	Pacific Tel. & Tel. Co. Debs., 4-5/8%, due 5/1/2000	203,894.41	202,007.07	.06	5.21	\$ 156.12
40,000	Consumers Power Co. 1st Mtge., 4-1/2%, due 10/1/88	Consumers Power Co. SF Debs., 4-5/8%, due 9/1/94	38,455.47	36,578.67	.44	5.28	\$ 201.49
95,000	American Tel. & Tel. Co. Debs., 5-1/8%, due 4/1/2001	Commonwealth Edison Co. Debs., 4-3/4%, due 12/1/2011	94,531.28	87,975.33	.04	5.19	\$ 156.48
200,000	West Penn Power Co. 1st Mtge., 4-7/8%, due 12/1/95	Georgia Power Co. 1st Mtge., 4-5/8%, due 10/1/94	195,807.93	190,349.93	-.05	4.98	\$ 126.96
125,000	Ditto	Georgia Power Co. 1st Mtge., 4-1/2%, due 11/1/93	122,379.95	117,851.20	-.10	4.93	\$ 64.04
145,000	Ditto	Georgia Power Co. 1st Mtge., 4-7/8%, due 9/1/95	141,960.75	141,459.05	.02	5.05	\$ 59.16
100,000	Alabama Power Co. 1st Mtge., 4-3/8%, due 6/1/92	Alabama Power Co. 1st Mtge., 4-3/8%, due 5/1/93	97,977.82	96,730.82	.09	4.62	\$ 117.85
300,000	Pacific Gas & Electric Co. 1st & Ref. Mtge., 4-5/8%, due 6/1/97	American Tel. & Tel. Co. Debs., 5-1/8%, due 4/1/2001	292,264.55	306,646.55	.18	4.98	\$ 235.56

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BOND EXCHANGES
(March, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u> <u>YIELD</u>	<u>NEW</u> <u>BOOK</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>YIELD</u>
		<u>Corporate Bonds for Corporate Bonds</u>				
\$ 50,000	Cincinnati Gas & Elec. Co. 1st Mtge., 4-3/8%, due 6/1/92	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-1/8%, due 12/1/93	\$ 47,858.45	\$ 45,444.95	.10%	4.80%
					\$	100.96*
50,000	Ditto	Cincinnati & Sub. Bell Tel. Co. Debs., 4-1/2%, due 10/1/93	47,858.46	47,555.46	.17	4.87
					\$	87.81
50,000	American Tel. & Tel. Co. Debs., 5-1/2%, due 1/1/97	Commonwealth Edison Co. 1st Mtge., 4-5/8%, due 3/1/90	46,774.22	43,015.22	-.11	5.89
					\$	84.65
50,000	Ditto	Texas Electric Service Co. 1st Mtge., 4-1/2%, due 11/1/88	46,774.22	42,776.22	-.13	5.87
					\$	75.76
50,000	Florida Power & Light Co. 1st Mtge., 4-5/8%, due 3/1/95	Philadelphia Electric Power Co. SF Debs., 4-1/2%, due 3/1/95	47,129.63	45,392.63	.14	5.19
					\$	97.42
28,000	Baltimore Gas & Electric Co. 1st & Ref. Mtge. SF, 4-3/8%, due 7/15/92	Texas Electric Service Co. 1st Mtge., 4-3/8%, due 4/1/93	27,040.58	26,441.38	.16	4.80
					\$	56.45
22,000	Ditto	Texas Power & Light Co. 1st Mtge., 4-1/2%, due 1/1/95	21,246.17	20,856.77	.24	4.88
					\$	59.25
45,000	New York Tel. Co. Ref.Mtge., 4-5/8%, due 1/1/2004	New York Tel. Co. Ref.Mtge., 4-7/8%, due 1/1/2006	44,419.38	44,772.63	.21	4.91
					\$	85.90
50,000	Ditto	New York Tel. Co. Ref.Mtge., 4-5/8%, due 1/1/2002	49,354.87	48,696.37	.04	4.74
					\$	69.38
25,000	Chesapeake & Potomac Tel. Co. of Maryland Debs., 5-7/8%, due 6/1/2004	Michigan Bell Tel. Co. Debs., 3-1/8%, due 10/15/88	24,939.76	18,950.51	-.54	5.35
					\$	85.75

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BOND EXCHANGES
(March, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u> <u>YIELD</u> <u>IN-</u> <u>CREASE</u>	<u>NEW</u> <u>BOOK</u> <u>YIELD</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>		
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 50,000	Chesapeake & Potomac Tel. Co. of Maryland Debs., 5-7/8%, due 6/1/2004	New Jersey Bell Tel. Co. Debs., 5-7/8%, due 12/1/2006	\$ 49,879.52	\$ 49,017.52	.12% \$	6.01% 68.39*
35,000	Ditto	Pacific Tel. & Tel. Co. Debs., 2-7/8%, due 10/1/86	34,915.66	26,703.26	-.66 \$	5.23 75.39
40,000	Ditto	New Jersey Bell Tel. Co. Debs., 5-7/8%, due 12/1/2006	39,903.62	39,214.02	.12 \$	6.01 54.71
200,000	Michigan Bell Tel. Co. Debs., 3-1/8%, due 10/15/88	New York Tel. Co. Ref. Mtge., 4-1/8%, due 7/1/93	160,971.34	173,139.34	.36 \$	5.18 358.04
50,000	Ditto	Mountain States Tel. & Tel. Co. Debs., 3%, due 8/1/89	40,242.83	38,617.33	.15 \$	4.97 93.37
50,000	Ditto	Mountain States Tel. & Tel. Co. Debs., 3-1/2%, due 6/1/90	40,242.83	40,652.83	.25 \$	5.07 92.70
150,000	Ditto	New Jersey Bell Tel. Co. Debs., 3%, due 5/1/89	120,728.50	117,362.50	.07 \$	4.89 155.54
91,000	Ditto	New York Tel. Co. Ref. Mtge., 3%, due 10/15/89	73,241.97	70,511.06	.11 \$	4.93 137.10
75,000	Ditto	New York Tel. Co. Ref. Mtge., 3-3/8%, due 4/1/96	60,364.25	57,206.75	.28 \$	5.10 229.01
39,000	Ditto	Florida Power Corp. 1st Mtge., 4-3/4%, due 10/1/90	31,389.41	36,233.60	.54 \$	5.36 90.06
25,000	Ditto	Illinois Bell Tel. Co. 1st Mtge., 3-1/4%, due 7/15/95	20,121.42	18,726.67	.29 \$	5.11 84.71

BOND EXCHANGES

(March, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	<u>BOOK YIELD</u>
		<u>Corporate Bonds for Corporate Bonds</u>					
\$ 365,000	Consolidated Edison Co. of New York, Inc. 1st & Ref.Mtge., 5%, due 1/1/96	Consolidated Edison Co. of New York, Inc. 1st & Ref.Mtge., 4-3/8%, due 10/1/92	\$ 367,315.32	\$ 346,138.02	-.18%	4.77%	\$ 195.80*
100,000	Rochester Gas & Elec. Corp. 1st Mtge., 5%, due 10/15/89	General Tel. Co. of California 1st Mtge., 4-1/2%, due 6/1/94	102,998.44	94,431.44	.16	4.91	\$ 343.84
100,000	American Tel. & Tel. Co. Debs., 4-3/4%, due 11/1/92	New Jersey Bell Tel. Co. Debs., 3-1/8%, due 7/15/88	86,190.44	72,289.44	-.15	5.76	\$ 369.91
100,000	Ditto	Commonwealth Edison Co. 1st Mtge., 3-3/4%, due 3/1/88	86,190.45	78,859.45	-.11	5.80	\$ 176.87
50,000	Pacific Northwest Bell Tel.Co. Debs., 4-1/2%, due 12/1/2000	Southern Bell Tel. & Tel. Co. Debs., 4-3/8%, due 8/1/2003	47,020.83	45,360.33	.07	4.96	\$ 66.79
50,000	Ditto	Southern Bell Tel. & Tel. Co. Debs., 4-3/8%, due 4/1/2001	47,020.83	45,743.83	.05	4.94	\$ 49.82
20,000	Southern Bell Tel. & Tel. Co. Debs., 5%, due 12/1/97	Chesapeake & Potomac Tel. Co. of Maryland Debs., 3-1/4%, due 2/1/95	19,531.35	15,644.35	-.32	4.84	\$ 93.43
25,000	Ditto	Pacific Northwest Bell Tel. Co. Debs., 4-3/8%, due 9/1/2002	24,414.19	21,774.19	.06	5.22	\$ 61.64
45,000	Ditto	Southern Bell Tel. & Tel. Co. Debs., 5%, due 12/1/97	43,945.53	43,521.18	.07	5.23	\$ 38.27
100,000	Pacific Tel. & Tel. Co. Debs., 4-5/8%, due 11/1/90	Pacific Tel. & Tel. Co. Debs., 3-1/8%, due 10/1/87	94,413.55	81,851.55	-.29	4.80	\$ 219.58

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BOND EXCHANGES
(March, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>YIELD</u> <u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
		<u>Corporate Bonds for Corporate Bonds</u>				
\$ 30,000	Pacific Tel. & Tel. Co. Debs., 4-5/8%, due 11/1/90	Chesapeake & Potomac Tel. Co. of West Virginia Debs., 5%, due 3/1/2000	\$ 28,324.07	\$ 27,967.67	.39%	5.48%
					\$	115.88*
45,000	Ditto	New York Telephone Co. Ref. Mtge., 4-1/2%, due 5/15/91	42,486.10	41,275.60	.10	5.19
					\$	64.40
50,000	Ohio Power Co. 1st Mtge., 6-1/2%, due 8/1/97	Utah Power & Light Co. 1st Mtge., 4-1/2%, due 6/1/92	47,117.87	37,117.87	-.11	6.88
					\$	215.36
50,000	Ditto	General Tel. Co. of California 1st Mtge., 4-5/8%, due 12/1/91	47,117.87	37,930.37	-.11	6.88
					\$	196.09
26,000	Ditto	Niagara Mohawk Power Corp. Gen. Mtge., 3-7/8%, due 6/1/88	24,501.29	18,604.49	-.19	6.80
					\$	119.72
100,000	Ditto	Philadelphia Electric Power Co. SF Debs., 4-1/2%, due 3/1/95	94,235.75	72,374.75	-.07	6.92
					\$	505.31
100,000	Ditto	Niagara Mohawk Power Corp. Gen. Mtge., 5-7/8%, due 11/1/96	94,235.75	86,622.75	.04	7.03
					\$	216.95
250,000	Niagara Mohawk Power Corp. Gen. Mtge., 3-7/8%, due 6/1/88	Niagara Mohawk Power Corp. Gen. Mtge., 4-3/4%, due 4/1/90	228,364.96	243,639.96	.33	4.96
					\$	441.99
38,000	Pennsylvania Electric Co. 1st Mtge., 3-3/8%, due 8/1/82	San Diego Gas & Electric Co. Debs., 4-5/8%, due 1/15/84	36,063.61	38,412.77	.53	4.50
					\$	132.40
35,000	Ditto	Tampa Electric Co. 1st Mtge., 5-1/2%, due 4/1/96	33,216.48	35,758.18	1.37	5.34
					\$	412.88
27,000	Ditto	Virginia Electric & Power Co. 1st & Ref. Mtge., 4-1/2%, due 12/1/93	25,624.15	24,895.69	1.13	5.10
					\$	303.39

<u>BOND EXCHANGES</u> (March, 1972)							
<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 80,000	Union Electric Co. 1st Mtge., 4-1/2%, due 11/1/93	Michigan Bell Tel. Co. Debs., 4-7/8%, due 8/1/94	\$ 77,458.40	\$ 80,086.40	.14%	4.87%	\$ 52.47*
20,000	Lone Star Gas Co. SF Debs., 4-3/8%, due 9/1/88	Northwestern Bell Tel. Co. Debs., 3-1/4%, due 2/1/96	20,000.00	16,319.00	.14	4.52	\$ 120.29
60,000	Ditto	Florida Power & Light Co. 1st Mtge., 5%, due 12/1/95	60,000.00	59,866.20	.64	5.02	\$ 389.65
20,000	Ditto	Southern Bell Tel. & Tel. Co. Debs., 4-5/8%, due 12/1/93	20,000.00	19,569.00	.41	4.785	\$ 91.55
93,000	American Tel. & Tel. Co. Debs., 4-3/8%, due 10/1/96	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-1/8%, due 12/1/93	87,064.80	85,094.13	-.13	4.59	\$ 27.39
<u>\$ 6,846,000</u>	<u>Total Exchange of Corporate Bonds for Corporate Bonds</u> (March, 1972)		<u>\$ 6,449,560.04</u>	<u>\$ 6,328,188.61</u>	<u>\$ 13,777.43</u>		<u>(Total Income Improvement)</u>

<u>BOND EXCHANGES</u> (March, 1972)								
<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>	
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>	
		<u>U. S. Treasuries for U. S. Treasuries</u>						
<u>\$ 3,000,000</u>	U. S. Treasury Bonds 4-1/8%, due 5/15/94-89	U. S. Treasury Bonds 4-1/4%, due 8/15/92-87	<u>\$ 3,048,116.17</u>	<u>\$ 3,068,741.17</u>		.054%	4.05%	
						<u>\$ 1,037.55*</u>		
						(Total Income Improvement)		

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

<u>BOND EXCHANGES</u> (March, 1972)							
<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	<u>BOOK YIELD</u>
<u>Corporate Bonds for U. S. Government Obligations</u>							
\$ 1,100,000	Gulf Oil Corp. Debs., 5.35%, due 6/15/91	Farmers Home Administration Insured Notes, 6%, due 12/14/91	\$ 1,099,580.09	\$ 1,137,596.09	.36%	5.71%	\$ 3,468.09*
250,000	Bristol-Myers Co. SF Debs., 8-5/8%, due 11/1/95	U. S. Treasury Notes 5-5/8%, due 8/15/74	251,846.99	226,143.87	1.65	10.20	\$ 3,918.60
155,000	Western Electric Co., Inc. SF Debs., 8-3/8%, due 10/1/95	Ditto	153,945.51	140,877.07	1.56	10.00	\$ 2,257.53
<u>\$ 1,505,000</u>	Total Exchange of Corporate Bonds for U. S. Govt. Obligations (March, 1972)		<u>\$ 1,505,372.59</u>	<u>\$ 1,504,617.03</u>	<u>\$ 9,644.22</u>		(Total Income Improvement)

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND PURCHASES
(March, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
<u>U. S. Government Obligations</u>				
\$ 669,782.34	Farmers Home Administration Insured Notes, 6%, due 12/14/91	\$ 87.75	\$ 587,734.00	7.16%
1,925,091.87	GNMA, Pool #682, 7-1/2%, due 5/15/2001	103.25	1,987,657.36	7.17
<u>95,000.00</u>	U. S. Treasury Notes, 5-5/8%, due 8/15/74	100.21875	<u>95,207.81</u>	<u>5.52</u>
<u>2,689,874.21</u>	Total U. S. Government Obligations		<u>2,670,599.17</u>	<u>7.11</u>
<u>Corporate Bonds</u>				
5,000	Texas Electric Service Co., 1st Mtge., 4-1/2%, due 2/1/95	69.50	3,475.00	7.25
10,000	Carolina Power & Light Co., 1st Mtge., 4-7/8%, due 4/1/90	73.055	7,305.50	7.65
25,000	Alabama Power Co., 1st Mtge., 4-7/8%, due 9/1/95	71.21	17,802.50	7.50
1,000	Mountain States Tel. & Tel. Co., Debs., 3%, due 8/1/89	58.70	587.00	7.20
20,000	Consumers Power Co., SF Debs., 4-5/8%, due 9/1/94	69.822	13,964.40	7.40
30,000	Niagara Mohawk Power Corp., Gen. Mtge., 4-3/4%, due 4/1/90	73.039	21,911.70	7.50
9,000	Texas Power & Light Co., 1st Mtge., 4-1/2%, due 1/1/95	70.40	6,336.00	7.15
15,000	Florida Power Corp., 1st Mtge., 4-1/4%, due 5/1/92	68.875	10,331.25	7.20
2,000	Florida Power Corp., 1st Mtge., 4-3/4%, due 10/1/90	75.75	1,495.00	7.25
36,000	San Diego Gas & Electric Co., Debs., 4-5/8%, due 1/15/84	77.75	27,987.80	7.50
7,000	Chesapeake & Potomac Tel. Co. of Maryland, Debs., 4-1/8%, due 12/1/93	67.327	4,712.89	7.10
<u>2,000</u>	Southern Bell Tel. & Tel. Co., Debs., 4-5/8%, due 12/1/93	71.875	<u>1,437.50</u>	<u>7.21</u>
<u>162,000</u>	Total Corporate Bonds		<u>117,346.54</u>	<u>7.42</u>
<u>\$ 2,851,874.21</u>	TOTAL BONDS PURCHASED		<u>\$ 2,787,945.71</u>	<u>7.12%</u>

BOND SALES AND MATURITIES
(March, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. S. Government Obligations</u>				
\$ 901.83	GNMA, Pool #92, 8%, due 2/15/2001	\$ 901.83	(\$ 14.43)	8.00%
4,698.48	GNMA, Pool #114, 8%, due 1/15/2001	4,698.48	(1,095.22)	8.00
835.12	GNMA, Pool #152, 8%, due 2/15/2001	835.12	(187.07)	8.00
670.75	GNMA, Pool #236, 8%, due 1/15/2001	670.75	(97.93)	8.00
28,057.44	GNMA, Pool #456, 8%, due 4/15/2001	28,057.44	(2,295.10)	8.00
1,503.19	GNMA, Pool #650, 8%, due 4/15/2001	1,503.19	(50.51)	8.00
2,627.62	GNMA, Pool #682, 7-1/2%, due 5/15/2001	2,627.62	(82.09)	7.50
907.25	GNMA, Pool #832, 6-1/2%, due 1/15/2002	907.25	40.83	6.50
714.57	GNMA, Pool #852, 6-1/2%, due 1/15/2002	714.57	30.23	6.50
6,684.96	GNMA, Pool #905, 6-1/2%, due 7/15/2001	6,684.96	399.09	6.50
434.19	GNMA, Pool #920, 8%, due 9/15/2001	434.19	1.17	8.00
6,958.75	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	6,958.75	450.23	6.50
1,650.23	GNMA, Pool #1033, 6-1/2%, due 2/15/2002	1,650.23	70.13	6.50
873.38	GNMA, Pool #1105, 6-1/2%, due 1/15/2002	873.38	32.40	6.50
974.92	GNMA, Pool #1157, 6-1/2%, due 1/15/2002	974.92	43.87	6.50
4,920.57	GNMA, Pool #1252, 6-1/2%, due 1/15/2002	4,920.57	159.43	6.50
<u>1,021.56</u>	GNMA, Pool #1306, 6-1/2%, due 1/15/2002	<u>1,021.56</u>	<u>44.64</u>	<u>6.50</u>
<u>64,434.81</u>	Total U. S. Government Obligations	<u>64,434.81</u>	(<u>2,550.33</u>)	<u>7.73</u>

BOND SALES AND MATURITIES
(March, 1972)
(Continued)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>Convertible Bonds</u>				
\$ 250,000	Owens-Illinois, Inc., Conv. Sub. Debs., 4-1/2%, due 11/1/92	\$242,500.00	(\$ 67,818.20)	4.64%
<u>Corporate Bonds</u>				
44,110	Shell Oil Co., Debs., 5%, due 3/15/91	44,110.00	2,364.36	5.00
<u>4,000</u>	Ohio Power Co., 1st Mtge., 6-1/2%, due 8/1/97	<u>3,560.00</u>	(209.43)	<u>7.47</u>
<u>48,110</u>	Total Corporate Bonds	<u>47,670.00</u>	<u>2,154.93</u>	<u>5.18</u>
<u>\$ 362,544.81</u>	TOTAL BONDS SOLD AND MATURED	<u>\$354,604.81</u>	<u>(\$ 68,213.60)</u>	<u>5.27%</u>

CASH STATEMENT
March 31, 1972

	Permanent Fund	Available Fund
<u>RECEIPTS:</u>		
From General Land Office	\$1,839,623.15	
From Disposition of Securities:		
GNMA Principal Payments	64,434.81	
FHA Mortgages	91,705.65	
Corporate Bonds	47,670.00	
Convertible Debentures	242,500.00	
Common Stock	1,705,522.01	
Commercial Paper	4,100,000.00	
Bond Exchanges-Net Receipts	205,911.13	
Interest Collected:		
U.S. Bonds		\$ 79,402.95
GNMA Interest Payments		103,525.89
FHA Mortgages		92,118.48
Corporate Bonds		985,585.38
Convertible Debentures		4,437.50
Commercial Paper		51,088.37
Dividends Collected:		
Common & Preferred Stock		<u>1,196,711.47</u>
Amortization of Premium	568.60	
Cash Payment Made in February on Securities Transactions Settled in March	2,391.20	
Accounts Receivable Collected	<u>369,007.15</u>	
TOTAL RECEIPTS	8,669,333.70	2,512,870.04
Cash on Hand, 3/1/72	<u>765,698.68</u>	<u>-0-</u>
TOTAL RECEIPTS & CASH	<u>\$9,435,032.38</u>	<u>\$2,512,870.04</u>

CASH STATEMENT
 March 31, 1972
 (Continued)

	Permanent Fund	Available Fund
<u>DISBURSEMENTS:</u>		
Securities Acquired		
U. S. Bonds	\$ 95,207.81	
U.S. Government Obligations	2,575,391.36	
Corporate Bonds	117,346.54	
Common Stock	5,589,324.97	
Amortization of Discount	34,703.21	
Cash Payments Made in March on Security Transactions Settled in April	493,841.05	
To Clear Out Available Fund		\$2,512,870.04
TOTAL DISBURSEMENTS	8,905,814.94	<u>\$2,512,870.04</u>
Cash on Hand, 3/31/72	529,217.44	
TOTAL DISBURSEMENTS AND CASH 3/31/72	\$9,435,032.38	

For Month Ended April 30, 1972

I. PERMANENT UNIVERSITY FUND

PERMANENT UNIVERSITY FUND - INVESTMENT MATTERS. --

REPORT ON SECURITIES TRANSACTIONS. --The following securities transactions have been made for the Permanent University Fund in April, 1972. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS

SECURITY	BOOK VALUE 8/31/71	BOOK YIELD 8/31/71	BOOK VALUE 4/30/72	BOOK YIELD 4/30/72
<u>DEBT SECURITIES:</u>				
U.S. Government Obligations--				
Treasury Bonds	\$107,723,291.67	4.26%	\$105,679,410.23	4.32%
Government Agencies	5,438,875.36	6.81	24,807,767.96	6.93
FHA Mortgages	15,622,444.51	6.83	16,039,759.60	6.86
TOTAL - U.S. Government Obligations	128,784,611.54	4.68	146,526,937.79	5.04
Corporate Bonds	234,360,279.62	4.91	234,171,646.64	4.93
TOTAL-DEBT SECURITIES	363,144,891.16	4.83	380,698,584.43	4.97
<u>EQUITY SECURITIES :</u>				
Convertible Debentures	14,933,307.87	4.97	12,958,800.54	5.27
Conv. Preferred Stocks	15,848,192.03	4.16	15,848,192.03	4.16
Common Stocks	184,688,881.95	4.30	203,065,247.09	4.27
TOTAL-EQUITY SECURITIES	215,470,381.85	4.34	231,872,239.66	4.32
TOTAL-LONG TERM INVESTMENTS	578,615,273.01	4.65	612,570,824.09	4.72
<u>CASH & EQUIVALENT :</u>				
Commercial Paper	15,750,000.00	5.45	2,500,000.00	5.15
Investment Transactions--				
Accounts Receivable	-0-		821,675.69	
Accounts Payable	-0-		1,703.70	
Cash	483,744.55		339,143.68	
TOTAL-CASH & EQUIVALENT	16,233,744.55		3,662,523.07	
TOTAL-SECURITIES, CASH & EQUIVALENT	\$594,849,017.56	4.67%	\$616,233,347.16	4.72%

SUMMARY OF TRANSACTIONS
April 30, 1972

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	<u>Cost</u>		<u>Current Yield</u>
Purchases:			
Corporate Bonds	\$ 52,269.65		7.42%
Common Stocks	<u>6,272,531.40</u>		<u>4.57</u>
 TOTAL LONG TERM PURCHASES	 <u>\$6,324,801.05</u>		 <u>4.59%</u>
		Gain or (Loss)	Current Yield
Sales:			
U. S. Government Obligations:			
Farmers Home Administration Notes	\$ 17,323.37	(\$ 469.70)	5.75%
GNMA Principal Payments	116,943.37	(7,038.08)	7.62
FHA Mortgages Principal Payments	130,313.46	-0-	6.86
Corporate Bonds	450,503.40	9,859.43	7.50
Convertible Debentures	502,785.00	(138,953.05)	4.63
Common Stocks	2,872,961.35	668,619.13	2.79
Common Stock Warrants	<u>69,420.75</u>	<u>12,750.75</u>	<u>-0-</u>
 TOTAL LONG TERM SALES	 <u>\$4,160,250.70</u>	 <u>\$544,768.48</u>	 <u>3.82%</u>

BOND EXCHANGES

Par Exchanged	Increase in
\$3,587,000	Annual Income
	\$15,127.17

PERMANENT UNIVERSITY FUND BOOK VALUE

March 31, 1972 Balance		\$614,647,953.86
Additions (April, 1972)		
Realized Net Gain (Loss)		
on Security Transactions	\$ 544,768.48	
From General Land Office	<u>1,040,624.82</u>	<u>1,585,393.30</u>
April 30, 1972 Balance		<u>\$616,233,347.16</u>

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Cost	Current Yield
<u>CORPORATE BONDS:</u>				
\$ 9,000.00	Beneficial Finance Co., Debs., 5%, due 11/1/90	\$ 75.16	\$ 6,764.40	7.50%
1,000.00	Chesapeake & Potomac Tel. Co. of Md., Debs., 4-3/8%, due 1/1/02	65.11	651.10	7.25
30,000.00	Duquesne Light Co., SF Debs., 5%, due 3/1/10	69.168	20,750.40	7.45
1,000.00	New Jersey Bell Tel. Co., Debs., 4-7/8%, due 11/1/00	69.75	697.50	7.45
25,000.00	Southwestern Bell Tel. Co., Debs., 6-7/8%, due 2/1/11	93.625	23,406.25	7.37
	TOTAL - Corporate Bonds		<u>52,269.65</u>	<u>7.42</u>
<u>COMMON STOCK:</u>				
43,891 Shares	BankAmerica Corp., 2-for-1 split	-0-	-0-	-0-
10,000 "	Bristol-Myers Co.	58.38	583,805.00	2.06
11,300 "	CPC International Inc.	33.80	381,901.95	5.03
20,000 "	Commonwealth Edison Co.	36.97	739,456.70	5.95
2,000 "	E.I. duPont de Nemours & Co.	172.86	345,725.00	2.89
10,000 "	Mobil Oil Corporation	51.88	518,750.00	5.01
41,600 "	Phillips Petroleum Co.	29.71	1,235,919.90	4.38
9,000 "	Standard Oil Co. of California	56.61	509,470.00	5.13
10,000 "	Standard Oil Co. (New Jersey)	70.98	709,768.95	5.43
10,000 "	Texaco Inc.	32.00	320,000.00	5.19
20,000 "	Union Carbide Corp.	46.39	927,733.90	4.31
	TOTAL - Common Stock		<u>6,272,531.40</u>	<u>4.57</u>
	TOTAL - LONG TERM INVESTMENTS		<u>6,324,801.05</u>	<u>4.59</u>
<u>BONDS EXCHANGED IN:</u>				
\$3,587,000.00	See Bond Exchange Schedule for Details		<u>3,415,041.87</u>	<u>5.14</u>
<u>COMMERCIAL PAPER:</u>				
550,000.00	Ford Motor Credit Co.	100.00	550,000.00	5.25
1,000,000.00	General Motors Acceptance Corp.	100.00	<u>1,000,000.00</u>	<u>4.25</u>
	TOTAL - Commercial Paper		<u>1,550,000.00</u>	<u>4.60</u>
	TOTAL - ALL INVESTMENTS ACQUIRED		<u>\$11,289,842.92</u>	<u>4.76%</u>

INVESTMENTS DISPOSED OF

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Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)	Market Yield
<u>U.S. GOVERNMENT OBLIGATIONS:</u>					
\$ 17,323.37	Farmers Home Administration Insured Note, 5-3/4%, due 6/29/01	\$100.00	\$ 17,323.37	(\$ 469.70)	5.75%
116,943.37	GNMA, Various Pools FHA Mortgages Principal Payments	100.00	116,943.37	(7,038.08)	7.62
		100.00	<u>130,313.46</u>	<u>-0-</u>	<u>6.86</u>
	TOTAL - U.S. Government Obligations		<u>264,580.20</u>	<u>(7,507.78)</u>	<u>7.12</u>
<u>CORPORATE BONDS:</u>					
9,200.00	Dow Chemical Co., Promissory Notes, 5%, due 4/1/91	100.00	9,200.00	954.96	5.00
2,000.00	New England Tel. & Tel. Co., Debs., 3-1/8%, due 12/15/88	61.17	1,223.40	(436.46)	7.15
10,000.00	Shell Oil Co., Notes, 4-1/2%, due 4/15/90	100.00	10,000.00	338.60	4.50
400,000.00	South Central Bell Tel. Co., Debs., 8-1/4%, due 12/1/04	107.52	<u>430,080.00</u>	<u>9,002.33</u>	<u>7.62</u>
	TOTAL- Corporate Bonds		<u>450,503.40</u>	<u>9,859.43</u>	<u>7.50</u>
<u>CONVERTIBLE DEBENTURES:</u>					
517,000.00	Owens-Illinois, Inc., Conv. Sub. Debs., 4-1/2%, due 11/1/92	97.25	<u>502,785.00</u>	<u>(138,953.05)</u>	<u>4.63</u>
<u>COMMON STOCK:</u>					
9,132 Shares	Aetna Life & Casualty Co.	64.72	591,020.22	179,423.76	2.60
15,000 "	Melville Shoe Corp.	75.21	1,128,101.29	580,749.55	1.10
35,000 "	United States Gypsum Co.	32.97	<u>1,153,839.84</u>	<u>(91,554.18)</u>	<u>4.55</u>
	TOTAL - Common Stock		<u>2,872,961.35</u>	<u>668,619.13</u>	<u>2.79</u>
<u>WARRANTS:</u>					
5,667 Warrants	Commonwealth Edison Co.	12.25	<u>69,420.75</u>	<u>12,750.75</u>	<u>-0-</u>
	TOTAL -LONG TERM INVESTMENTS		<u>4,160,250.70</u>	<u>544,768.48</u>	<u>3.82</u>
<u>BONDS EXCHANGED OUT:</u>					
\$3,587,000.00	See Bond Exchange Schedule for Details		<u>3,465,526.81</u>	<u>-0-</u>	<u>4.76</u>
<u>COMMERCIAL PAPER:</u>					
1,790,000.00	Ford Motor Credit Co.	100.00	1,790,000.00	-0-	5.43
1,000,000.00	Sears Roebuck Acceptance Corp.	100.00	<u>1,000,000.00</u>	<u>-0-</u>	<u>5.71</u>
	TOTAL - Commercial Paper		<u>2,790,000.00</u>	<u>-0-</u>	<u>5.53</u>
	TOTAL - INVESTMENTS DISPOSED OF		<u>\$10,415,777.51</u>	<u>\$544,768.48</u>	<u>4.59%</u>

PERMANENT UNIVERSITY FUND

SUMMARY OF BOND EXCHANGES

April, 1972

<u>Exchanges</u>	<u>Par Value Exchanged</u>	<u>Book Value</u>		<u>Principal Takeout or (Payup) Required</u>	<u>Increase in Annual Income*</u>
		<u>Issue Exchanged</u>	<u>Issue Received</u>		
U. S. Treasury Bonds for Corporate Bonds	\$ 600,000	\$ 609,623.23	\$ 563,756.23	\$45,867.00	\$ 9,238.53
Corporate Bonds for Corporate Bonds	<u>2,987,000</u>	<u>2,855,903.58</u>	<u>2,851,285.64</u>	<u>4,617.94</u>	<u>5,888.64</u>
TOTAL - All Exchanges (April, 1972)	<u>\$3,587,000</u>	<u>\$3,465,526.81</u>	<u>\$3,415,041.87</u>	<u>\$50,484.94</u>	<u>\$15,127.17</u>

*Total income improvement includes income from investment of takeout on exchanges at current market yields.

BOND EXCHANGES
(April, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD IN- CREASE</u>	<u>BOOK YIELD</u>
		<u>U. S. Treasury Bonds for Corporate Bonds</u>				
\$ 600,000	U. S. Treasury Bonds 4-1/8%, due 5/15/94-89	Duquesne Light Co. SF Debs., 5%, due 3/1/2010	\$ 609,623.23	\$ 563,756.23	1.374%	5.370%
					<u>\$ 9,238.53*</u> (Total Income Improvement)	

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*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND EXCHANGES
(April, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>YIELD</u> <u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 106,000	Union Electric Co. 1st Mtge., 4-3/8%, due 3/1/88	Alabama Power Co. 1st Mtge., 4-7/8%, due 5/1/89	\$ 105,097.52	\$ 106,643.00	.37%	4.82%
					\$	355.17*
332,000	Ohio Bell Tel. Co. Debs., 5-3/8%, due 3/1/2007	Ohio Bell Tel. Co. Debs., 5%, due 2/1/2006	342,804.41	327,472.65	-.09	5.08
					\$	270.04
173,000	Duke Power Co. 1st & Ref. Mtge., 5-3/8%, due 4/1/97	Southwestern Bell Tel. Co. Debs., 5-3/8%, due 6/1/2006	179,062.19	176,358.20	.12	5.25
					\$	262.20
75,000	Union Electric Co. 1st Mtge., 4-1/2%, due 11/1/93	Northern Indiana Pub. Serv. Co. 1st Mtge., 4-1/2%, due 4/15/93	72,617.25	72,231.75	.05	4.78
					\$	44.87
60,000	Ditto	Central Illinois Pub. Serv. Co. 1st Mtge., 4-1/2%, due 5/1/94	58,093.80	57,415.80	.09	4.82
					\$	67.06
50,000	Ditto	Georgia Power Co. 1st Mtge., 4-7/8%, due 9/1/95	48,411.50	49,575.00	.21	4.94
					\$	77.70
45,000	Ditto	Southwestern Public Service Co. 1st Mtge., 4-5/8%, due 2/1/95	43,570.35	43,276.95	.18	4.91
					\$	84.56
19,000	Ditto	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-3/8%, due 1/1/2002	18,396.37	17,343.39	.21	4.94
					\$	60.32
200,000	Rochester Tel. Corp. 1st Mtge., 4-3/4%, due 9/1/93	Pennsylvania Power & Light Co. 1st Mtge., 4-5/8%, due 12/1/91	194,945.19	191,009.19	-0-	4.98
					\$	239.96
102,000	Ditto	Duke Power Co. 1st & Ref. Mtge., 4-1/4%, due 8/1/92	99,422.04	93,804.90	-.10	4.88
					\$	163.06

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

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BOND EXCHANGES

(April, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	<u>BOOK YIELD</u>
		<u>Corporate Bonds for Corporate Bonds</u>					
\$ 100,000	Rochester Tel. Corp. 1st Mtge., 4-3/4%, due 9/1/93	Oklahoma Gas & Electric Co. 1st Mtge., 4-1/2%, due 3/1/95	\$ 97,472.59	\$ 93,933.59	-.03%	4.95%	
					\$	43.31*	
75,000	Ditto	Houston Lighting & Power Co. 1st Mtge., 5-1/4%, due 1/1/97	73,104.44	76,222.94	.15	5.13	
					\$	51.34	
50,000	Ditto	Texas Power & Light Co. 1st Mtge., 5-1/2%, due 2/1/97	48,736.30	51,994.30	.23	5.21	
					\$	53.77	
50,000	Ditto	Pacific Gas & Electric Co. 1st & Ref. Mtge., 5-3/8%, due 6/1/98	48,736.30	51,322.80	.21	5.19	
					\$	55.52	
50,000	Ditto	General Tel. Co. of California 1st Mtge., 4-1/2%, due 3/1/95	48,736.30	45,506.30	.20	5.18	
					\$	156.25	
24,000	Ditto	Georgia Power Co. 1st Mtge., 4-5/8%, due 10/1/91	23,393.41	22,755.01	.07	5.05	
					\$	50.33	
59,000	Ditto	Beneficial Finance Co. Debs., 5%, due 11/1/90	57,508.83	58,511.83	.09	5.07	
					\$	32.40	
30,000	Ditto	Georgia Power Co. 1st Mtge., 4-7/8%, due 9/1/95	29,241.78	28,953.78	.15	5.13	
					\$	49.25	
20,000	Ditto	Florida Power & Light Co. 1st Mtge., 4-5/8%, due 4/1/94	19,494.52	18,652.52	.16	5.14	
					\$	46.85	
40,000	Ditto	Alabama Power Co. 1st Mtge., 4-7/8%, due 9/1/95	38,989.04	37,765.44	.31	5.29	
					\$	141.79	

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BOND EXCHANGES
(April, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 56,000	New England Tel. & Tel. Co. Debs., 3-1/8%, due 12/15/88	New England Tel. & Tel. Co. Debs., 3-1/4%, due 11/15/91	\$ 46,476.16	\$ 44,935.04	.25%	4.82%	\$ 157.49*
39,000	Ditto	Pacific Northwest Bell Tel. Co. Debs., 4-1/2%, due 11/1/94	32,367.33	35,653.47	.61	5.18	\$ 121.20
50,000	Ditto	Consumers Power Co. 1st Mtge., 3-1/4%, due 2/1/90	41,496.57	40,869.07	.21	4.78	\$ 104.21
55,000	Ditto	Florida Power Corp. 1st Mtge., 4-1/8%, due 7/1/88	45,646.23	50,113.88	.36	4.93	\$ 49.51
50,000	Consolidated Edison Co. of N. Y., Inc. 1st & Ref. Mtge., 4-3/8%, due 10/1/92	Consolidated Edison Co. of N. Y., Inc. 1st & Ref. Mtge., 4-5/8%, due 12/1/93	47,579.48	48,099.48	.16	4.91	\$ 62.65
100,000	Potomac Electric Power Co. 1st Mtge., 4-3/8%, due 2/15/98	Potomac Electric Power Co. 1st Mtge., 4-1/2%, due 5/15/99	94,834.66	94,467.66	.15	4.87	\$ 150.99
50,000	Pacific Gas & Electric Co. 1st & Ref. Mtge., 5%, due 6/1/91	Consumers Power Co. 1st Mtge., 4-5/8%, due 12/1/90	51,174.59	49,113.09	-.05	4.77	\$ 68.84
100,000	Louisville Gas & Electric Co. 1st Mtge., 5-5/8%, due 6/1/96	Florida Power Corp. 1st Mtge., 4-3/4%, due 10/1/90	102,176.82	94,130.82	-.21	5.25	\$ 114.42
100,000	Pacific Gas & Electric Co. 1st & Ref. Mtge., 5%, due 6/1/91	Ditto	102,349.19	99,669.19	-.04	4.78	\$ 82.64
200,000	New England Tel. & Tel. Co. Debs., 3-1/8%, due 12/15/88	Southern Bell Tel. & Tel. Co. Debs., 4-5/8%, due 12/1/93	165,986.29	186,746.29	.57	5.14	\$ 508.09

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BOND EXCHANGES
(April, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 50,000	New England Tel. & Tel. Co. Debs., 3-1/8%, due 12/15/88	Illinois Bell Tel. Co. 1st Mtge., 3-1/4%, due 7/15/95	\$ 41,496.57	\$ 38,591.57	.34%	4.91%	\$ 209.07*
128,000	Baltimore Gas & Electric Co. SF Debs., 4-7/8%, due 6/15/86	Pacific Gas & Electric Co. 1st & Ref. Mtge., 4-1/2%, due 6/1/93	126,412.79	112,799.99	.46	5.45	\$ 826.53
40,000	New York Tel. Co. Ref. Mtge., 4-1/2%, due 5/15/91	Pacific Gas & Electric Co. 1st & Ref. Mtge., 5-3/8%, due 6/1/98	34,979.02	36,388.62	.51	6.07	\$ 161.76
50,000	Ditto	Houston Lighting & Power Co. 1st Mtge., 5-1/4%, due 4/1/96	43,723.77	45,814.77	.35	5.91	\$ 125.01
14,000	Ditto	New Jersey Bell Tel. Co. Debs., 4-7/8%, due 11/1/2000	12,242.66	11,953.14	.39	5.95	\$ 51.51
20,000	Southern Bell Tel. & Tel. Co. Debs., 2-7/8%, due 7/1/87	Southwestern Public Service Co. 1st Mtge., 4-5/8%, due 2/1/95	15,728.17	17,008.37	1.02	5.82	\$ 142.13
35,000	Ditto	New England Tel. & Tel. Co. Debs., 3-1/8%, due 12/15/88	27,524.30	26,914.60	.41	5.21	\$ 125.28
25,000	Ditto	New York Tel. Co. Ref. Mtge., 3%, due 10/15/89	19,660.21	18,752.21	.39	5.19	\$ 95.38
20,000	Ditto	Wisconsin Tel. Co. Debs., 4-7/8%, due 5/1/95	15,728.17	17,787.77	.95	5.75	\$ 118.53
70,000	Gulf States Utilities Co. 1st Mtge., 4-7/8%, due 10/1/87	Wisconsin Electric Power Co. 1st Mtge., 5%, due 11/15/90	69,360.47	68,407.77	.23	5.19	\$ 179.15

BOND EXCHANGES
(April, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	<u>BOOK YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 75,000	Potomac Electric Power Co. 1st Mtge., 4-3/8%, due 2/15/98	Southwestern Bell Tel. Co. Debs., 6-7/8%, due 2/1/2011		\$ 71,126.00	\$ 92,319.50	.72%	5.44%
						\$ 128.50*	
<u>\$ 2,987,000</u>	<u>Total Exchange of Corporate Bonds for Corporate Bonds</u> (April, 1972)			<u>\$ 2,855,903.58</u>	<u>\$ 2,851,285.64</u>	<u>\$ 5,888.64</u>	<u>(Total Income Improvement)</u>

BOND PURCHASES
(April, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 1,000	Chesapeake & Potomac Tel. Co. of Maryland, Debs., 4-3/8%, due 1/1/2002	\$ 65.11	\$ 651.10	7.25%
9,000	Beneficial Finance Co., Debs., 5%, due 11/1/90	75.16	6,764.40	7.50
1,000	New Jersey Bell Tel. Co., Debs., 4-7/8%, due 11/1/2000	69.75	697.50	7.45
30,000	Duquesne Light Co., SF Debs., 5%, due 3/1/2010	69.168	20,750.40	7.45
<u>25,000</u>	Southwestern Bell Tel. Co., Debs., 6-7/8%, due 2/1/2011	93.625	<u>23,406.25</u>	<u>7.37</u>
<u>\$ 66,000</u>	<u>TOTAL BONDS PURCHASED</u>		<u>\$ 52,269.65</u>	<u>7.42%</u>

BOND SALES AND MATURITIES

(April, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>Convertible Bonds</u>				
\$ 517,000.00	Owens-Illinois, Inc., Conv. Sub. Debs., 4-1/2%, due 11/1/92	\$ 502,785.00	(\$138,953.05)	4.63%
<u>Corporate Bonds</u>				
9,200.00	Dow Chemical Co., Promissory Notes, 5%, due 4/1/91	9,200.00	954.96	5.00
400,000.00	South Central Bell Tel. Co., Debs., 8-1/4%, due 12/1/2004	430,080.00	9,002.33	7.62
10,000.00	Shell Oil Co., Notes, 4-1/2%, due 4/15/90	10,000.00	338.60	4.50
2,000.00	New England Tel. & Tel. Co., Debs., 3-1/8%, due 12/15/88	1,223.40	(436.46)	7.15
<u>421,200.00</u>	Total Corporate Bonds	<u>450,503.40</u>	<u>9,859.43</u>	<u>7.50</u>
<u>U. S. Government Obligations</u>				
7,179.48	GNMA, Pool #92, 8%, due 2/15/2001	7,179.48	(114.87)	8.00
1,872.60	GNMA, Pool #114, 8%, due 1/15/2001	1,872.60	(436.50)	8.00
14,630.75	GNMA, Pool #152, 8%, due 2/15/2001	14,630.75	(3,277.29)	8.00
675.49	GNMA, Pool #236, 8%, due 1/15/2001	675.49	(98.62)	8.00
47,994.64	GNMA, Pool #456, 8%, due 4/15/2001	47,994.64	(3,925.96)	8.00
13,059.37	GNMA, Pool #650, 8%, due 4/15/2001	13,059.37	(436.18)	8.00
1,989.79	GNMA, Pool #682, 7-1/2%, due 5/15/2001	1,989.79	(64.07)	7.50
11,684.63	GNMA, Pool #832, 6-1/2%, due 1/15/2002	11,684.63	525.81	6.50
3,396.90	GNMA, Pool #852, 6-1/2%, due 1/15/2002	3,396.90	144.37	6.50
4,139.85	GNMA, Pool #905, 6-1/2%, due 7/15/2001	4,139.85	247.15	6.50
877.62	GNMA, Pool #920, 8%, due 9/15/2001	877.62	2.37	8.00
439.78	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	439.78	28.45	6.50
1,659.86	GNMA, Pool #1033, 6-1/2%, due 2/15/2002	1,659.86	70.54	6.50
878.47	GNMA, Pool #1105, 6-1/2%, due 1/15/2002	878.47	32.59	6.50
980.62	GNMA, Pool #1157, 6-1/2%, due 1/15/2002	980.62	44.13	6.50
1,770.54	GNMA, Pool #1252, 6-1/2%, due 1/15/2002	1,770.54	57.37	6.50
3,712.98	GNMA, Pool #1306, 6-1/2%, due 1/15/2002	3,712.98	162.63	6.50
17,323.37	FHA, Insured Note, 5-3/4%, due 6/29/2001	17,323.37	(469.70)	5.75
<u>134,266.74</u>	Total U. S. Government Obligations	<u>134,266.74</u>	<u>(7,507.78)</u>	<u>7.38</u>
\$ 555,466.74	TOTAL CORPORATE & GOVT. BONDS SOLD AND MATURED	\$ 584,770.14	\$ 2,351.65	7.47%

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CASH STATEMENT
April 30, 1972

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>RECEIPTS:</u>		
From General Land Office	\$1,040,624.82	
From Disposition of Securities:		
U. S. Government Obligations		
Farmers Home Administration		
Insured Note	17,323.37	
GNMA Principal Payments	116,943.37	
FHA Mortgages	130,313.46	
Corporate Bonds	450,503.40	
Convertible Debentures	502,785.00	
Common Stock	2,872,961.35	
Warrants	69,420.75	
Commercial Paper	2,790,000.00	
Bond Exchanges - Net Receipts	50,484.94	
Interest Collected:		
U. S. Bonds		(\$ 1,359.89)
U. S. Government Obligations		
GNMA Interest Payments		133,267.79
FHA Mortgages		91,329.41
Corporate Bonds		850,554.04
Convertible Debentures		165,194.50
Commercial Paper		62,115.70
Dividends Collected:		
Common and Preferred Stock		<u>549,743.12</u>
Amortization of Premium	3,030.82	
Cash Payments Made in March on Security Transactions Settled in April	493,841.05	
Accounts Receivable Collected	<u>-0-</u>	
TOTAL RECEIPTS	8,538,232.33	<u>1,850,844.67</u>
Cash on Hand 4/1/72	<u>529,217.44</u>	
TOTAL RECEIPTS AND CASH	<u>\$9,067,449.77</u>	<u>\$1,850,844.67</u>

CASH STATEMENT
April 30, 1972
(Continued)

	Permanent Fund	Available Fund
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
Corporate Bonds	\$ 52,269.65	
Common Stock	6,272,531.40	
Commercial Paper	1,550,000.00	
Amortization of Discount	30,125.65	
Cash Payments Made in April on Security Transactions Settled in May	1,703.70	
To Clear Out Available Fund		<u>\$1,850,844.67</u>
TOTAL DISBURSEMENTS	<u>7,906,630.40</u>	<u>\$1,850,844.67</u>
<u>CASH AND RECEIVABLES 4/30/72</u>		
Cash	339,143.68	
Accounts Receivable	<u>821,675.69</u>	
Total - Cash and Receivables	<u>1,160,819.37</u>	
TOTAL DISBURSEMENTS, CASH AND RECEIVABLES 4/30/72	<u>\$9,067,449.77</u>	

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in March, 1972. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

INVESTMENTS ACQUIRED

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Cost</u>	<u>Yield</u>
	<u>CORPORATE BONDS:</u>		
	See Bond Purchase Schedule for Detail		
\$703,000.00	Common Trust Fund	\$524,487.60	7.41%
259,000.00	Hogg Foundation: W.C. Hogg Estate Fund	186,617.13	7.47
42,000.00	Hogg Foundation: Varner Properties	28,616.25	7.64
25,000.00	George W. Brackenridge Loan Fund	16,862.50	7.40
5,000.00	Anderson-Mayfair Mortgage Retirement Fund-AH	<u>4,050.00</u>	<u>7.60</u>
	TOTAL - Corporate Bonds	<u>760,633.48</u>	<u>7.43%</u>
	<u>CORPORATE STOCKS:</u>		
	See Stock Purchase Schedule for Detail		
1 Right	Hogg Foundation: W.C. Hogg Estate Fund	<u>.14</u>	
	TOTAL - LONG TERM INVESTMENTS	<u>\$760,633.62</u>	
	<u>BONDS EXCHANGED IN:</u>		
	See Bond Exchange Schedule for Detail		
\$533,000.00	Common Trust Fund	\$398,881.54	6.49%
25,000.00	Hogg Foundation: W.C. Hogg Estate Fund	24,807.15	4.67
35,000.00	The Robert A. Welch Chair in Chemistry	34,029.19	4.79
	<u>COMMERCIAL PAPER:</u>		
4,100.00	SRAC 3-7/8% Note, due 6/1/72 (\$4,000-Dora Dieterich Bonham Archives Guide Fund 100-DeRosette Thomas Fund for Asa Mitchell Guidance Center)	4,100.00	3.91376
20,000.00	SRAC 4-3/4% Note, due 7/3/72 (Hogg Foundation: Unappropriated Income Account)	20,000.00	4.88868

ITEMS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U. S. GOVERNMENT AGENCY OBLIGATIONS:</u>				
See Bond Sales Schedule for Detail				
\$ 666.84	Common Trust Fund	\$ 666.84	\$ 38.57	7.23%
9,453.40	Hogg Foundation: W. C. Hogg Estate Fund	9,453.40	(362.38)	7.98
1,853.11	Hogg Foundation: Varner Properties	1,853.11	122.81	7.92
207.45	The William Buchanan Chair in Internal Medicine-DMS	207.45	(1.40)	7.64
58.29	Reserve for Possible Fire Losses-Temporary Student Housing Units	58.29	.75	6.50
136.14	Texas Union Building Fund	136.14	12.70	6.50
2,259.98	Student Property Deposit Scholarship Fund	2,259.98	(42.12)	7.90
351.73	Student Property Deposit Scholarship Fund-Temporary	351.73	16.36	6.50
6,965.95	U.T. System-General Tuition Revenue Bonds, Series 1971-Interest and Sinking Fund	6,965.95	348.30	6.50
75.27	U.T. System-General Tuition Revenue Bonds, Series 1971-Reserve Fund	75.27	3.76	6.50
4,059.90	U.T. Austin-Dormitory Revenue Bond Fund, Series 1954-Reserve Fund	4,059.90	(195.86)	8.00
709.90	U.T. Austin-Dormitory Revenue Bonds Fund, Series 1956-Reserve Fund	709.90	(41.18)	8.00
1,131.44	U.T. Austin-Student Housing Revenue Bonds of 1963-Reserve Fund	1,131.44	(.89)	8.00
8,173.16	U.T. Austin-Housing System Revenue Bonds, Series 1967-Reserve Fund	8,173.16	311.08	7.77
33,309.54	U.T. Austin-Building Revenue Bonds, Series 1969-Utility Plant-Student Fee Revenue Bonds Reserve Fund	33,309.54	(2,228.22)	8.00
6,524.35	U.T. Austin-Combined Fee Revenue Bonds, Series 1970 & 1971-Reserve Fund	6,524.35	313.51	6.53
217.46	U.T. Austin-Student Union Revenue Bonds, Series 1958-Reserve Fund	217.46	-0-	8.00
2,042.13	U.T. Galveston-Dormitory Revenue Bonds, Series 1955-Reserve Fund	2,042.13	.10	7.88
25.34	U.T. El Paso-Student Housing Revenue Bonds of 1961-Reserve Fund	25.34	.77	6.50
10,117.87	U.T. El Paso-Building Revenue Bonds, Series 1969, Reserve Fund	10,117.87	412.86	7.27
1,050.35	U.T. El Paso-Student Union Building Revenue Bonds, Series A and B, 1967-Reserve Fund	1,050.35	(21.42)	8.00
580.41	U.T. El Paso-Combined Fee Revenue Bonds, Series 1970 & 1971-Reserve Fund	580.41	39.49	6.59

ITEMS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U. S. GOVERNMENT AGENCY OBLIGATIONS:</u>				
See Bond Sales Schedule for Detail				
\$ 666.84	Common Trust Fund	\$ 666.84	\$ 38.57	7.23%
9,453.40	Hogg Foundation: W. C. Hogg Estate Fund	9,453.40	(362.38)	7.98
1,853.11	Hogg Foundation: Varner Properties	1,853.11	122.81	7.92
207.45	The William Buchanan Chair in Internal Medicine-DMS	207.45	(1.40)	7.64
58.29	Reserve for Possible Fire Losses-Temporary Student Housing Units	58.29	.75	6.50
136.14	Texas Union Building Fund	136.14	12.70	6.50
2,259.98	Student Property Deposit Scholarship Fund	2,259.98	(42.12)	7.90
351.73	Student Property Deposit Scholarship Fund-Temporary	351.73	16.36	6.50
6,965.95	U.T. System-General Tuition Revenue Bonds, Series 1971-Interest and Sinking Fund	6,965.95	348.30	6.50
75.27	U.T. System-General Tuition Revenue Bonds, Series 1971-Reserve Fund	75.27	3.76	6.50
4,059.90	U.T. Austin-Dormitory Revenue Bond Fund, Series 1954-Reserve Fund	4,059.90	(195.86)	8.00
709.90	U.T. Austin-Dormitory Revenue Bonds Fund, Series 1956-Reserve Fund	709.90	(41.18)	8.00
1,131.44	U.T. Austin-Student Housing Revenue Bonds of 1963-Reserve Fund	1,131.44	(.89)	8.00
8,173.16	U.T. Austin-Housing System Revenue Bonds, Series 1967-Reserve Fund	8,173.16	311.08	7.77
33,309.54	U.T. Austin-Building Revenue Bonds, Series 1969-Utility Plant-Student Fee Revenue Bonds Reserve Fund	33,309.54	(2,228.22)	8.00
6,524.35	U.T. Austin-Combined Fee Revenue Bonds, Series 1970 & 1971-Reserve Fund	6,524.35	313.51	6.53
217.46	U.T. Austin-Student Union Revenue Bonds, Series 1958-Reserve Fund	217.46	-0-	8.00
2,042.13	U.T. Galveston-Dormitory Revenue Bonds, Series 1955-Reserve Fund	2,042.13	.10	7.88
25.34	U.T. El Paso-Student Housing Revenue Bonds of 1961-Reserve Fund	25.34	.77	6.50
10,117.87	U.T. El Paso-Building Revenue Bonds, Series 1969, Reserve Fund	10,117.87	412.86	7.27
1,050.35	U.T. El Paso-Student Union Building Revenue Bonds, Series A and B, 1967-Reserve Fund	1,050.35	(21.42)	8.00
580.41	U.T. El Paso-Combined Fee Revenue Bonds, Series 1970 & 1971-Reserve Fund	580.41	39.49	6.59

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS: (Continued)</u>				
\$ 592.40	U.T. Arlington-Housing System Revenue Bonds-Series 1963-Reserve Fund	\$ 592.40	\$ 1.35	7.93%
695.86	U.T. Arlington-Student Center Fee Bonds, Series 1960-Reserve Fund	695.86	-0-	8.00
717.61	U.T. Arlington-Gymnasium Fee Bonds-Series 1961-Reserve Fund	717.61	-0-	8.00
3,945.63	U.T. Arlington-Student Fee Revenue Bonds-Series 1964, Series 1966, and Series 1968-Reserve Fund	3,945.63	77.72	7.98
489.08	U.T. Arlington-Combined Fee Revenue Bonds, Series 1971 & 1971A-Reserve Fund	<u>489.08</u>	<u>24.09</u>	<u>6.50</u>
	TOTAL - U.S. Government Agency Obligations	<u>96,410.59</u>	<u>(1,169.25)</u>	<u>7.65%</u>
<u>CORPORATE BONDS:</u>				
See Bond Sales Schedule for Detail				
118,000.00	Common Trust Fund	95,500.53	6,492.41	7.08%
11,000.00	George W. Brackenridge Loan Fund	<u>10,233.41</u>	<u>1,290.45</u>	<u>7.30</u>
	TOTAL - Corporate Bonds	<u>105,733.94</u>	<u>7,782.86</u>	<u>7.10%</u>
<u>CORPORATE STOCKS:</u>				
See Stock Sales Schedule for Detail				
7 Rights	Common Trust Fund	.98	-0-	-0- %
416 Shares	Josephine Clardy Fox Estate Fund-UTEP	<u>8,096.40</u>	<u>322.40</u>	<u>5.38</u>
	TOTAL - Corporate Stocks	<u>8,097.38</u>	<u>322.40</u>	<u>5.38%</u>
TOTAL - LONG TERM INVESTMENTS SOLD		<u>\$210,241.91</u>	<u>\$6,936.01</u>	
<u>BONDS EXCHANGED OUT:</u>				
See Bond Exchange Schedule for Detail				
\$533,000.00	Common Trust Fund	\$441,883.40	-0-	6.46%
25,000.00	Hogg Foundation: W.C. Hogg Estate Fund	25,484.40	-0-	4.51
35,000.00	The Robert A. Welch Chair in Chemistry	34,808.64	-0-	4.66

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
	<u>COMMERCIAL PAPER:</u>			
\$ 12,100	SRAC 4-1/8% Note, due 3/1/72 (\$ 2,100-Shiela O'Gara Schol- arship Fund 10,000-Dr. Witten B. Russ Chair in Surgery- SAMS)	\$ 12,100.00	-0-	4.15212%
125,000	FMC 3-1/2% Note, due 3/1/72 (\$ 2,200-Common Trust Fund 4,000-Dora Dieterich Bonham Archives Guide Fund 4,300-The Cline Collection of English and American Literature Since 1800 200-Carl Stone Benedict Scholarship 6,500-Bess Heflin Fellowship Fund 1,400-College of Engineering Foundation-Variou Donors-Variou Purposes 50,800-E.M. Barron Fund 4,900-College of Engineering Foundation- Alfred and Nellie King Graduate Fellowship 36,000-Josephine Clardy Fox Estate Fund-UTEP 14,700-Dr. Witten B. Russ Chair in Surgery-SAMS)	125,000.00	-0-	3.51435
300,000	FMC 3% Note, due 3/21/72, Prepaid on 3/6/72 (Hogg Foundation: W.C. Hogg Estate Fund)	300,000.00	-0-	3.00777
573,000	SRAC 4-3/4% Note, due 3/6/72 (\$110,000-Temp. Investments- Interscholastic League Funds-General Fees Account 65,300-Hogg Foundation: Un- appropriated Income Account 70,000 - Faith Foundation Grant 40,000 - Common Trust Fund 3,000-Ima Hogg Foundation 8,500-Carl Stone Benedict Scholarship 10,000-Dept. of Chemistry- Variou Donors-Variou Purposes	573,000.00	-0-	4.75439

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
	<u>COMMERCIAL PAPER: (Continued)</u>			
	<u>SRAC 4-3/4% Note, due 3/6/72 (Continued)</u>			
	(\$127,000-College of Engineering- Ford Foundation Grant- Various Purposes			
	2,300-Ruth Margaret Hull Gift for Dean of Women's Of- fice for Women's Coop- erative Housing			
	93,000-Littlefield Fund for Southern History-Reserve for Publica- tions			
	3,500-Dr. & Mrs. Proctor W. Day Gift for New Band Hall			
	21,500-Department of Drama- Laboratory Theatre			
	6,800-Ethel V. Loving de Diaz Scholarship Fund			
	600-Lyndon B. Johnson School of Public Affairs Scholarship Fund-Variou Donors			
	500-A. J. Schill Scholarship- UTPB			
	11,000-The Robertson Poth Foundation)			
\$146,000	FMC 3% Note, due 3/16/72 (\$ 300-Robert Leon White Memorial Fund	\$146,000.00	-0-	3.007519%
	14,000-Geology Foundation- Hal P. Bybee Memorial Fund			
	12,500-James Wade Rockwell Fund-GMB			
	119,200-Josephine Clardy Fox Estate Fund-UTEP)			
20,000	SRAC 4-3/4% Note, due 7/3/72 (Office of Investments, Trusts and Lands-Clearing Account- Sold 3/24/72)	20,000.00	-0-	4.88868
30,000	City National Bank, 4% Time Certificate of Deposit, due 3/27/72 (\$ 6,000-Friends of the Library Fund	30,000.00	-0-	4.00
	15,000-Frank Kell Library Fund			
	9,000-Littlefield Fund for Southern History)			

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(March, 1972)

BOND EXCHANGES

PAR VALUE	DESCRIPTION	BOOK VALUE		BOOK YIELD IN- CREASE	NEW BOOK YIELD	
		ISSUE EXCHANGED	ISSUE RECEIVED			
\$ 25,000	Southwestern Bell Tel. Co. Debs., 4-5/8%, due 8/1/95	American Tel. & Tel. Co. Debs., 4-3/4%, due 6/1/98	\$ 21,493.33	\$ 21,450.83	.09% \$ 19.85*	5.81%
55,000	Virginia Electric & Power Co. 1st & Ref. Mtge., 4-1/2%, due 5/1/95	American Tel. & Tel. Co. Debs., 5-1/8%, due 4/1/2001	45,182.51	48,338.96	.09 \$ 9.42	6.01
68,000	Gulf Oil Corp. Debs., 5.35%, due 6/15/91	American Tel. & Tel. Co. Debs., 3-7/8%, due 7/1/90	55,314.08	44,242.32	.23 \$ 405.64	7.38
250,000	New York Tel. Co. Ref.Mtge.,4-7/8%,due 1/1/2006	Southern Bell Tel. & Tel. Co. Debs., 4-3/8%, due 4/1/2001	209,106.51	195,304.01	-.04 \$ 367.54	5.97
50,000	Houston Lighting & Power Co. 1st Mtge., 6-3/4%, due 4/1/98	Wisconsin Electric Power Co. 1st Mtge., 3-7/8%, due 4/15/86	45,443.59	33,336.59	.26 \$ 387.25	7.82
20,000	Massachusetts Electric Co. 1st Mtge., 4-3/8%, due 9/1/92	Florida Power & Light Co. 1st Mtge., 4-1/8%, due 4/1/88	12,844.68	13,020.88	.08 \$ 11.59	8.02
25,000	Houston Lighting & Power Co. 1st Mtge.,6-3/4%,due 11/1/97	Texas Electric Service Co. 1st Mtge., 3-1/4%, due 3/1/85	21,783.28	14,781.03	.57 \$ 277.50	8.50
25,000	New York Tel. Co. Ref.Mtge.,4-5/8%,due 1/1/2004	New Jersey Bell Tel. Co. Debs., 4-5/8%, due 6/1/2005	16,600.00	15,922.75	.27 \$ 40.42	7.65
15,000	Pacific Tel. & Tel. Co. Debs., 4-5/8%, due 11/1/90	Indiana Bell Tel. Co. Debs., 4-3/8%, due 6/1/2003	14,115.42	12,484.17	.40 \$ 80.77	5.51
<u>\$ 533,000</u>			<u>\$ 441,883.40</u>	<u>\$ 398,881.54</u>	<u>\$ 1,599.98</u>	

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

(Total Income Improvement)

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THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(March, 1972)

BOND PURCHASES

	<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
			<u>UNIT</u>	<u>TOTAL</u>	
\$	8,000	American Tel. & Tel. Co., Debs., 3-7/8%, due 7/1/90	\$ 68.012	\$ 5,440.96	7.00%
	146,000	Southern Electric Generating Co., 1st Mtge., 5-1/4%, Series 1961, due 6/1/92	77.03	112,470.30	7.47
	14,000	Southern Electric Generating Co., 1st Mtge., 5-1/4%, Series 1960, due 6/1/92	74.666	10,453.24	7.75
	50,000	Niagara Mohawk Power Corp., Gen. Mtge., 4-3/4%, due 4/1/90	73.039	36,519.50	7.50
	25,000	Northern States Power Co. (Minn.), 1st Mtge., 4-3/8%, due 9/1/93	68.52	17,130.00	7.30
	20,000	Pacific Gas & Electric Co., 1st & Ref. Mtge., 4-1/2%, due 12/1/96	68.15	13,630.00	7.30
	20,000	Florida Power & Light Co., 1st Mtge., 4-1/8%, due 4/1/88	68.45	13,690.00	7.55
	20,000	Wisconsin Electric Power Co., 1st Mtge., 3-7/8%, due 4/15/86	70.522	14,104.40	7.25
	75,000	Alabama Power Co., 1st Mtge., 3-7/8%, due 1/1/88	67.588	50,691.00	7.38
	125,000	Texas Electric Service Co., 1st Mtge., 4-3/4%, due 7/1/87	77.501	96,876.25	7.20
	30,000	Appalachian Power Co., 1st Mtge., 4%, due 5/1/88	67.575	20,272.50	7.50
	40,000	Indianapolis Power & Light Co., 1st Mtge., 4-5/8%, due 10/1/90	73.125	29,250.00	7.30
	5,000	Indiana Bell Tel. Co., Debs., 4-3/8%, due 6/1/2003	64.209	3,210.45	7.30
	50,000	Gulf States Utilities Co., 1st Mtge., 4-3/4%, due 1/1/89	73.998	36,999.00	7.50
	<u>75,000</u>	Niagara Mohawk Power Corp., Gen. Mtge., 6-1/4%, due 8/1/97	85.00	<u>63,750.00</u>	<u>7.59</u>
\$	<u>703,000</u>			<u>\$ 524,487.60</u>	<u>7.41%</u>

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THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(March, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 23,000.00	Pacific Northwest Bell Tel. Co., Debs., 6-3/4%, due 12/1/2007	\$ 21,397.13	\$ 2,698.41	7.30%
45,000.00	New York Tel. Co., Ref. Mtge., 4-5/8%, due 1/1/2004	31,658.40	1,778.40	6.95
50,000.00	Chesapeake & Potomac Tel. Co. of Maryland, Debs., 5-7/8%, due 6/1/2004	42,445.00	2,015.60	7.07
340.17	GNMA, Pool #852, 6-1/2%, due 1/15/2002	340.17	39.46	6.50
<u>326.67</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>326.67</u>	(0.89)	8.00
<u>\$ 118,666.84</u>		<u>\$ 96,167.37</u>	<u>\$ 6,530.98</u>	<u>7.08%</u>

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STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
7 Rights	Commonwealth Edison Company Common Stock	<u>\$ 0.98</u>	--	--

HOGG FOUNDATION: W. C. HOGG ESTATE FUND

(March, 1972)

BOND EXCHANGES

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK YIELD IN- CREASE</u>	<u>NEW BOOK YIELD</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>		
\$ 25,000		New York Telephone Co. New Jersey Bell Tel. Co. Ref.Mtge., 4-5/8%, due 1/1/2004 Debs., 4-5/8%, due 6/1/2005		\$ 25,484.40	\$ 24,807.15	.16%	4.67%
						\$ 56.55*	
						(Total Income Improvement)	

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 25,000	Tampa Electric Co., 1st Mtge., 4-1/2%, due 5/1/93	\$ 69.625	\$ 17,406.25	7.35%
119,000	Alabama Power Co., 1st Mtge., 5%, due 4/1/90	75.50	89,845.00	7.50
44,000	Carolina Power & Light Co., 1st Mtge., 4-1/8%, due 3/1/88	68.86	30,298.40	7.50
56,000	Philadelphia Electric Co., 1st & Ref. Mtge., 3-3/4%, due 5/1/88	65.924	36,917.48	7.40
<u>15,000</u>	Potomac Electric Power Co., 1st Mtge., 3-1/4%, due 8/1/77	81.00	<u>12,150.00</u>	<u>7.60</u>
<u>\$ 259,000</u>			<u>\$ 186,617.13</u>	<u>7.47%</u>

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

HOGG FOUNDATION: W. C. HOGG ESTATE FUND
(March, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 7,770.06	GNMA, Pool #95, 8%, due 12/15/2000	\$ 7,770.06	(\$ 351.21)	8.00%
669.23	GNMA, Pool #163, 8%, due 2/15/2001	669.23	34.26	8.00
752.31	GNMA, Pool #548, 8%, due 4/15/2001	752.31	(44.37)	8.00
45.50	GNMA, Pool #650, 8%, due 4/15/2001	45.50	0.99	8.00
24.13	GNMA, Pool #708, 6-1/2%, due 11/15/2001	24.13	1.21	6.50
97.28	GNMA, Pool #852, 6-1/2%, due 1/15/2002	97.28	(1.62)	6.50
<u>94.89</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>94.89</u>	(<u>1.64</u>)	<u>8.00</u>
<u>\$ 9,453.40</u>		<u>\$ 9,453.40</u>	<u>(\$ 362.38)</u>	<u>7.98%</u>

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
1 Right	Commonwealth Edison Company Common Stock	\$ 0.14	<u>\$ 0.14</u>	--

HOGG FOUNDATION: VARNER PROPERTIES

(March, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u> <u>TOTAL</u>	<u>YIELD</u>
\$ 15,000	Carolina Power & Light Co., 1st Mtge., 5-1/8%, due 4/1/96	\$ 71.975	\$ 10,796.25	7.70%
<u>27,000</u>	Alabama Power Co., 1st Mtge., 3-7/8%, due 1/1/88	66.00	<u>17,820.00</u>	<u>7.60</u>
<u>\$ 42,000</u>			<u>\$ 28,616.25</u>	<u>7.64%</u>

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 727.38	GNMA, Pool #95, 8%, due 12/15/2000	\$ 727.38	\$ 82.85	8.00%
997.60	GNMA, Pool #163, 8%, due 2/15/2001	997.60	30.73	8.00
96.48	GNMA, Pool #708, 6-1/2%, due 11/15/2001	96.48	10.92	6.50
<u>31.65</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>31.65</u>	(<u>1.69</u>)	<u>8.00</u>
<u>\$ 1,853.11</u>		<u>\$ 1,853.11</u>	<u>\$ 122.81</u>	<u>7.92%</u>

THE ROBERT A. WELCH CHAIR IN CHEMISTRY
(March, 1972)

BOND EXCHANGES

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD IN- CREASE</u>	<u>BOOK YIELD</u>
\$ 35,000	New York Tel. Co. Ref.Mtge., 4-5/8%, due 1/1/2004	New Jersey Bell Tel. Co. Debs., 4-5/8%, due 6/1/2005	\$ 34,808.64	\$ 34,029.19	.13%	4.79%
					\$ 62.48*	
					(Total Income Improvement)	

GEORGE W. BRACKENRIDGE LOAN FUND
(March, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 25,000	Connecticut Light & Power Co., 1st & Ref. Mtge., 3-7/8%, due 1/1/88	\$ 67.45	\$ 16,862.50	7.40%

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 11,000	Pacific Northwest Bell Tel. Co., Debs., 6-3/4%, due 12/1/2007	\$ 10,233.41	\$ 1,290.45	7.30%

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

ANDERSON-MAYFAIR MORTGAGE RETIREMENT FUND - ANDERSON HOSPITAL

(March, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u> <u>TOTAL</u>	<u>YIELD</u>
\$ <u>5,000</u>	Potomac Electric Power Co., 1st Mtge., 3-1/4%, due 8/1/77	\$ 81.00	\$ <u>4,050.00</u>	<u>7.60%</u>

JOSEPHINE CLARDY FOX ESTATE FUND - U. T. EL PASO

(March, 1972)

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
416 Shs.	National Gypsum Company Common	\$ <u>8,096.40</u>	\$ <u>322.40</u>	<u>5.38%</u>

THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL

(March, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 157.89	GNMA, Pool #650, 8%, due 4/15/2001	\$ 157.89	(\$ 5.24)	8.00%
<u>49.56</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>49.56</u>	<u>3.84</u>	<u>6.50</u>
<u>\$ 207.45</u>		<u>\$ 207.45</u>	<u>(\$ 1.40)</u>	<u>7.64%</u>

GNMA MATURITIES
(March, 1972)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 58.29	\$ 0.75	6.50%
<u>TEXAS UNION BUILDING FUND:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 136.14	\$ 12.70	6.50%
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,479.15	(\$ 42.22)	8.00%
GNMA, Pool #184, 8%, due 4/1/2001	634.97	-0-	8.00
GNMA, Pool #852, 6-1/2%, due 1/15/2002	145.86	0.10	6.50
	<u>\$ 2,259.98</u>	<u>(\$ 42.12)</u>	<u>7.90%</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 188.41	\$ 9.42	6.50%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	163.32	6.94	6.50
	<u>\$ 351.73</u>	<u>\$ 16.36</u>	<u>6.50%</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971 - INTEREST AND SINKING FUND:</u>			
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	\$ 6,965.95	\$ 348.30	6.50%
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971 - RESERVE FUND:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 75.27	\$ 3.76	6.50%
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 739.35	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	3,320.55	(195.86)	8.00
	<u>\$ 4,059.90</u>	<u>(\$ 195.86)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>			
GNMA, Pool #548, 8%, due 4/15/2001	\$ 683.14	(\$ 40.29)	8.00%
GNMA, Pool #650, 8%, due 4/15/2001	26.76	(0.89)	8.00
	<u>\$ 709.90</u>	<u>(\$ 41.18)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,104.68	\$ -0-	8.00%
GNMA, Pool #650, 8%, due 4/15/2001	26.76	(0.89)	8.00
	<u>\$ 1,131.44</u>	<u>(\$ 0.89)</u>	<u>8.00%</u>

GNMA MATURITIES
(March, 1972)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 5,028.18	\$ 299.76	8.00%
GNMA, Pool #184, 8%, due 4/1/2001	661.07	-0-	8.00
GNMA, Pool #548, 8%, due 4/15/2001	1,115.50	(65.80)	8.00
GNMA, Pool #650, 8%, due 4/15/2001	102.26	(3.39)	8.00
GNMA, Pool #708, 6-1/2%, due 11/15/2001	37.59	1.88	6.50
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	1,228.56	78.63	6.50
	<u>\$ 8,173.16</u>	<u>\$ 311.08</u>	<u>7.77%</u>
<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>			
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 32,344.31	(\$ 2,175.67)	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	907.97	(53.55)	8.00
GNMA, Pool #920, 8%, due 9/15/2001	57.26	1.00	8.00
	<u>\$ 33,309.54</u>	<u>(\$ 2,228.22)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 152.22	\$ -0-	8.00%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	6,372.13	313.51	6.50
	<u>\$ 6,524.35</u>	<u>\$ 313.51</u>	<u>6.53%</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 217.46	\$ -0-	8.00%
<u>U. T. GALVESTON - DORMITORY REVENUE BONDS, SERIES 1955 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,878.81	\$ -0-	8.00%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	163.32	0.10	6.50
	<u>\$ 2,042.13</u>	<u>\$ 0.10</u>	<u>7.88%</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 25.34	\$ 0.77	6.50%
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969, RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 4,551.92	\$ 98.23	8.00%
GNMA, Pool #184, 8%, due 4/1/2001	643.67	-0-	8.00
GNMA, Pool #920, 8%, due 9/15/2001	10.09	0.25	8.00
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	4,912.19	314.38	6.50
	<u>\$ 10,117.87</u>	<u>\$ 412.86</u>	<u>7.27%</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 687.16	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	363.19	(21.42)	8.00
	<u>\$ 1,050.35</u>	<u>(\$ 21.42)</u>	<u>8.00%</u>

GNMA MATURITIES
(March, 1972)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>			
GNMA, Pool #920, 8%, due 9/15/2001	\$ 33.70	\$ 4.50	8.00%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	546.71	34.99	6.50
	<u>\$ 580.41</u>	<u>\$ 39.49</u>	<u>6.59%</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 565.39	\$ -0-	8.00%
GNMA, Pool #708, 6-1/2%, due 11/15/2001	27.01	1.35	6.50
	<u>\$ 592.40</u>	<u>\$ 1.35</u>	<u>7.93%</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 695.86	\$ -0-	8.00%
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 717.61	\$ -0-	8.00%
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 2,390.45	\$ 164.32	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	1,504.63	(88.75)	8.00
GNMA, Pool #852, 6-1/2%, due 1/15/2002	50.55	2.15	6.50
	<u>\$ 3,945.63</u>	<u>\$ 77.72</u>	<u>7.98%</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971 & 1971A - RESERVE FUND:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 38.61	\$ 1.93	6.50%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	450.47	22.16	6.50
	<u>\$ 489.08</u>	<u>\$ 24.09</u>	<u>6.50%</u>

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in April, 1972. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

INVESTMENTS ACQUIRED

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Cost</u>	<u>Yield</u>
	<u>CORPORATE BONDS:</u> See Bond Purchase Schedule for Detail		
\$365,000	Common Trust Fund	\$267,137.35	7.38%
193,000	Hogg Foundation: W. C. Hogg Estate Fund	138,630.17	7.61
10,000	Winedale Stagecoach Inn- Varner Acreage	6,727.90	7.70
99,000	George and Magnolia W. Sealy Memorial Fund - GMB	<u>68,802.73</u>	<u>6.03</u>
	TOTAL - Corporate Bonds	<u>481,298.15</u>	<u>7.26%</u>
	<u>CORPORATE STOCKS:</u> See Stock Purchase Schedule for Detail		
	George and Magnolia W. Sealy Memorial Fund - GMB	<u>23,191.25</u>	<u>1.84%</u>
	TOTAL - LONG TERM INVESTMENTS	<u>\$504,489.40</u>	
	<u>BONDS EXCHANGED IN :</u> See Bond Exchange Schedule for Detail		
180,000	Common Trust Fund	\$128,793.93	6.51%

ITEMS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
	<u>U.S. GOVERNMENT AGENCY OBLIGATIONS:</u> See Bond Sales Schedule for Detail			
\$ 1,946.08	Common Trust Fund	\$ 1,946.08	\$ 186.68	6.75%
1,287.26	Hogg Foundation: W.C. Hogg Estate Fund	1,287.26	(8.08)	7.43
244.17	Hogg Foundation: Varner Properties	244.17	14.23	7.40
1,607.35	The William Buchanan Chair in Internal Medicine -DMS	1,607.35	(27.27)	7.78

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS: (Continued)</u>				
\$ 277.12	Reserve for Possible Fire Losses - Temporary Student Housing Units	\$ 277.12	\$ 3.57	6.50%
647.19	Texas Union Building Fund	647.19	60.38	6.50
1,837.86	Student Property Deposit Scholarship Fund	1,837.86	(17.91)	7.43
965.95	Student Property Deposit Scholarship Fund - Temporary	965.95	42.48	6.50
440.24	U.T. System - General Tuition Revenue Bonds, Series 1971 - Interest and Sinking Fund	440.24	22.01	6.50
75.72	U.T. System - General Tuition Revenue Bonds, Series 1971 - Reserve Fund	75.72	3.79	6.50
860.47	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	860.47	(16.43)	8.00
289.77	U.T. Austin-Dormitory Revenue Bonds Fund, Series 1956 - Reserve Fund	289.77	(11.09)	8.00
1,101.96	U.T. Austin-Student Housing Revenue Bonds of 1963 - Reserve Fund	1,101.96	(7.71)	8.00
3,809.31	U.T. Austin-Housing System Revenue Bonds, Series 1967 - Reserve Fund	3,809.31	102.52	7.95
14,231.40	U.T. Austin-Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds - Reserve Fund	14,231.40	(951.76)	8.00
522.53	U.T. Austin - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	522.53	19.81	6.84
171.16	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	171.16	-0-	8.00
2,255.21	Galveston Medical Branch - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	2,255.21	0.47	7.48
120.44	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	120.44	3.67	6.50
2,811.23	U.T. El Paso - Building Revenue Bonds, Series 1969 - Reserve Fund	2,811.23	62.94	7.83
571.34	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	571.34	(1.80)	8.00
68.49	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	68.49	2.76	7.24
472.19	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	472.19	1.36	7.91

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS: (Continued)</u>				
\$ 547.71	U.T. Arlington - Student Center Fee Bonds, Series 1960 - Reserve Fund	\$ 547.71	\$ -0-	8.00%
564.83	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	564.83	-0-	8.00
1,408.39	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	1,408.39	74.39	7.74
67.32	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971 & 1971A - Reserve Fund	<u>67.32</u>	<u>3.34</u>	<u>6.50</u>
	TOTAL - U.S. Government Agency Obligations	<u>39,202.69</u>	(<u>437.65</u>)	<u>7.71%</u>
<u>CORPORATE BONDS:</u>				
See Bond Sales Schedule for Detail				
83,000.00	Common Trust Fund	61,835.99	1,640.63	7.47%
5,000.00	Winedale Stagecoach Inn - Varner Acreage	3,355.40	165.58	7.44
2,083.33	Jack G. Taylor Endowment Fund	2,083.33	-0-	8.00
50,000.00	George and Magnolia W. Sealy Memorial Fund - GMB	<u>53,760.00</u>	<u>2,340.94</u>	<u>7.62</u>
	TOTAL - Corporate Bonds	<u>121,034.72</u>	<u>4,147.15</u>	<u>7.54%</u>
<u>CORPORATE STOCKS:</u>				
See Stock Sales Schedule for Detail				
	Common Trust Fund	3,552.50	652.50	-0-
	Hogg Foundation: W.C. Hogg Estate Fund	2,327.50	427.50	-0-
	Hogg Foundation: Varner Properties	1,090.25	200.25	-0-
	George and Magnolia W. Sealy Memorial Fund - GMB	<u>35,841.37</u>	<u>9,843.73</u>	<u>1.70%</u>
	TOTAL - Corporate Stocks	<u>42,811.62</u>	<u>11,123.98</u>	<u>1.70%</u>
	TOTAL - LONG TERM INVESTMENTS SOLD	<u>\$203,049.03</u>	<u>\$14,833.48</u>	
<u>BONDS EXCHANGED OUT:</u>				
See Bond Exchange Schedule for Detail				
180,000.00	Common Trust Fund	\$136,145.98	-0-	6.36%

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
	<u>COMMERCIAL PAPER:</u>			
\$254,000.00	FMC 3-1/2% Note, due 4/18/72 (\$200,000 - Hogg Foundation: Program Support 2,500 - Hogg Foundation: Maintenance, Operation & Equipment 1,500 - Hogg Foundation: Travel for Hogg Foundation Ad- ministration 47,110 - Hogg Foundation: Balances Subject to Reappropriation 1,550 - Varner-Bayou Bend Heritage Fund for Child Guidance Center in Houston 1,340 - Hogg Foundation for Mental Health, Ima Hogg Scholarships in Mental Health)	\$254,000.00	-0-	3.520536%

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(April, 1972)

BOND EXCHANGES

<u>PAR VALUE</u>	<u>DESCRIPTION</u>		<u>BOOK VALUE</u>		<u>BOOK YIELD</u>	<u>NEW BOOK YIELD</u>
	<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	
\$ 35,000	Pacific Gas & Electric Co. 1st & Ref. Mtge., 5-1/2%, due 6/1/99	Northwestern Bell Tel. Co. Debs., 3-1/4%, due 2/1/96	\$ 27,166.44	\$ 18,560.29	.10%	7.52%
					\$	215.07*
25,000	Union Electric Co. 1st Mtge., 4-1/2%, due 11/1/93	Ditto	18,636.28	14,785.78	-.05	6.71
					\$	93.36
40,000	New England Tel. & Tel. Co. Debs., 3-1/8%, due 12/15/88	Southwestern Bell Tel. Co. Debs., 4-5/8%, due 8/1/95	29,549.23	33,009.23	.52	6.03
					\$	111.45
50,000	Ditto	Houston Lighting & Power Co. 1st Mtge., 4-1/2%, due 8/1/92	36,936.53	41,772.53	.39	5.90
					\$	78.77
30,000	Baltimore Gas & Electric Co. SF Debs., 4-7/8%, due 6/15/86	Pacific Gas & Electric Co. 1st & Ref. Mtge., 4-1/2%, due 6/1/93	23,857.50	20,666.10	.24	7.45
					\$	129.38
<u>\$ 180,000</u>			<u>\$ 136,145.98</u>	<u>\$ 128,793.93</u>	<u>\$ 628.03</u>	<u>(Total Income Improvement)</u>

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(April, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 46,000	Baltimore Gas & Electric Co., SF Debs., 4-7/8%, due 6/15/86	\$ 79.525	\$ 36,581.50	7.20%
35,000	Houston Lighting & Power Co., 1st Mtge., 4-3/4%, due 11/1/87	76.882	26,908.70	7.25
30,000	Niagara Mohawk Power Corp., Gen. Mtge., 4-3/4%, due 4/1/90	73.08	21,924.00	7.50
25,000	Dallas Power & Light Co., SF Debs., 4-1/2%, due 2/1/89	73.114	18,278.50	7.30
66,000	Commonwealth Edison Co., 1st Mtge., 4-1/4%, due 3/1/87	72.929	48,133.14	7.25
16,000	Southern Electric Generating Co., 1st Mtge., 5-1/4%, Series 1959, due 6/1/92	75.527	12,084.32	7.65
22,000	Southern Electric Generating Co., 1st Mtge., 5-1/4%, Series 1960, due 6/1/92	75.527	16,615.94	7.65
25,000	Carolina Power & Light Co., 1st Mtge., 5-1/8%, due 4/1/96	72.45	18,112.50	7.65
25,000	Delaware Power & Light Co., 1st Mtge. & Collateral Trust, 4-5/8%, due 10/1/94	68.995	17,248.75	7.50
50,000	Pacific Tel. & Tel. Co., Debs., 4-5/8%, due 11/1/90	72.25	36,125.00	7.40
25,000	Pacific Tel. & Tel. Co., Debs., 2-3/4%, due 12/1/85	60.50	15,125.00	7.40
<u>\$ 365,000</u>			<u>\$ 267,137.35</u>	<u>7.38%</u>

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 15,000.00	Pacific Gas & Electric Co., 1st & Ref. Mtge., 5-1/2%, due 6/1/99	\$ 11,975.85	\$ 333.09	7.20%
58,000.00	Niagara Mohawk Power Corp., Gen. Mtge., 3-5/8%, due 5/1/86	38,922.64	370.04	7.44
10,000.00	American Tel. & Tel. Co., Debs., 8.70%, due 12/1/2002	10,937.50	937.50	7.88
1,617.09	GNMA, Pool #852, 6-1/2%, due 1/15/2002	1,617.09	187.58	6.50
328.99	GNMA, Pool #920, 8%, due 9/15/2001	328.99	(0.90)	8.00
<u>\$ 84,946.08</u>		<u>\$ 63,782.07</u>	<u>\$ 1,827.31</u>	<u>7.44%</u>

STOCK SALES

290 Warrants	Commonwealth Edison Company Common Stock	<u>\$ 3,552.50</u>	<u>\$ 652.50</u>	--
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HOGG FOUNDATION: W. C. HOGG ESTATE FUND

(April, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u>		<u>YIELD</u>
				<u>TOTAL</u>	
\$ 15,000	Dallas Power & Light Co., 1st Mtge., 4-1/4%, due 12/1/86	\$ 72.455	\$	10,868.25	7.35%
15,000	Tampa Electric Co., 1st Mtge., 4-1/2%, due 5/1/93	68.474		10,271.10	7.50
5,000	Niagara Mohawk Power Corp., Gen. Mtge., 4-5/8%, due 12/1/94	67.279		3,363.95	7.70
35,000	Indiana & Michigan Electric Co., 1st Mtge., 4-3/4%, due 11/1/88	72.625		25,418.75	7.70
60,000	Ohio Edison Co., 1st Mtge., 4-1/2%, due 4/1/89	71.475		42,885.00	7.50
28,000	Idaho Power Co., 1st Mtge., 4-7/8%, due 11/15/90	72.324		20,250.72	7.70
35,000	Alabama Power Co., 1st Mtge., 4-7/8%, due 5/1/89	73.064		25,572.40	7.75
<u>\$ 193,000</u>			\$	<u>138,630.17</u>	<u>7.61%</u>

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 180.55	GNMA, Pool #95, 8%, due 12/15/2000	\$ 180.55	(\$ 8.16)	8.00%
65.97	GNMA, Pool #163, 8%, due 2/15/2001	65.97	3.38	8.00
63.10	GNMA, Pool #548, 8%, due 4/15/2001	63.10	(3.72)	8.00
395.36	GNMA, Pool #650, 8%, due 4/15/2001	395.36	8.59	8.00
24.28	GNMA, Pool #708, 6-1/2%, due 11/15/2001	24.28	1.21	6.50
462.44	GNMA, Pool #852, 6-1/2%, due 1/15/2002	462.44	(7.72)	6.50
95.56	GNMA, Pool #920, 8%, due 9/15/2001	95.56	(1.66)	8.00
<u>\$ 1,287.26</u>		<u>\$ 1,287.26</u>	<u>(\$ 8.08)</u>	<u>7.43%</u>

STOCK SALES

190 Warrants	Commonwealth Edison Company Common Stock	<u>\$ 2,327.50</u>	<u>\$ 427.50</u>	--
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HOGG FOUNDATION: VARNER PROPERTIES

(April, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 16.90	GNMA, Pool #95, 8%, due 12/15/2000	\$ 16.90	\$ 1.92	8.00%
98.34	GNMA, Pool #163, 8%, due 2/15/2001	98.34	3.03	8.00
97.06	GNMA, Pool #708, 6-1/2%, due 11/15/2001	97.06	10.99	6.50
<u>31.87</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>31.87</u>	(<u>1.71</u>)	<u>8.00</u>
<u>\$ 244.17</u>		<u>\$ 244.17</u>	<u>\$ 14.23</u>	<u>7.40%</u>

STOCK SALES

89 Warrants	Commonwealth Edison Company Common Stock	<u>\$ 1,090.25</u>	<u>\$ 200.25</u>	--
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WINEDALE STAGECOACH INN - VARNER ACREAGE

(April, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
<u>\$ 10,000</u>	Niagara Mohawk Power Corp., Gen. Mtge., 4-5/8%, due 12/1/94	\$ 67.279	<u>\$ 6,727.90</u>	<u>7.70%</u>

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>\$ 5,000</u>	Niagara Mohawk Power Corp., Gen. Mtge., 3-5/8%, due 5/1/86	<u>\$ 3,355.40</u>	<u>\$ 165.58</u>	<u>7.44%</u>

JACK G. TAYLOR ENDOWMENT FUND
(April, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ <u>2,083.33</u>	Universal Tel. Co., Sub. Conv. Note, 8%, due 4/1/75	\$ <u>2,083.33</u>	\$ <u>-0-</u>	<u>8.00%</u>

THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL
(April, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 1,371.73	GNMA, Pool #650, 8%, due 4/15/2001	\$ 1,371.73	(\$ 45.51)	8.00%
<u>235.62</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>235.62</u>	<u>18.24</u>	<u>6.50</u>
<u>\$ 1,607.35</u>		<u>\$ 1,607.35</u>	<u>(\$ 27.27)</u>	<u>7.78%</u>

GEORGE AND MAGNOLIA W. SEALY MEMORIAL FUND - GALVESTON MEDICAL BRANCH

(April, 1972)

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 50,000	South Central Bell Tel. Co., Debs., 8-1/4%, due 12/1/2004	\$ 53,760.00	\$ 2,340.94	7.62%

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
300 Shs.	Household Finance Corporation Common Stock	\$ 14,301.81	\$ 1,265.31	2.52%
300 Shs.	Melville Shoe Corporation Common Stock	21,539.56	8,578.42	1.16
		\$ 35,841.37	\$ 9,843.73	1.70%

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>CURRENT YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 22,000	Bell Tel. Co. of Pennsylvania, Debs., 3-3/4%, due 2/1/89	\$ 66.00	\$ 14,520.00	5.68%
54,000	Houston Lighting & Power Co., 1st Mtge., 4-3/4%, due 11/1/87	76.887	41,518.98	6.17
10,000	Illinois Bell Tel. Co., 1st Mtge., 3-1/4%, due 7/15/95	55.00	5,500.00	5.91
13,000	New York Tel. Co., Ref. Mtge., 3-3/8%, due 4/1/96	55.875	7,263.75	6.04
\$ 99,000			\$ 68,802.73	6.03%

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
55 Shs.	International Business Machines Corporation Capital Stock	\$385.75	\$ 21,216.25	1.40%
100 Shs.	The Southern Company Common Stock	19.75	1,975.00	6.59
			\$ 23,191.25	1.84%

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GNMA MATURITIES
(April, 1972)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 277.12	\$ 3.57	6.50%
<u>TEXAS UNION BUILDING FUND:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 647.19	\$ 60.38	6.50%
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 644.70	(\$ 18.40)	8.00%
GNMA, Pool #184, 8%, due 4/1/2001	499.79	-0-	8.00
GNMA, Pool #852, 6-1/2%, due 1/15/2002	693.37	0.49	6.50
	<u>\$ 1,837.86</u>	<u>(\$ 17.91)</u>	<u>7.43%</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 189.56	\$ 9.48	6.50%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	776.39	33.00	6.50
	<u>\$ 965.95</u>	<u>\$ 42.48</u>	<u>6.50%</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971 - INTEREST AND SINKING FUND:</u>			
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	\$ 440.24	\$ 22.01	6.50%
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971 - RESERVE FUND:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 75.72	\$ 3.79	6.50%
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 581.94	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	278.53	(16.43)	8.00
	<u>\$ 860.47</u>	<u>(\$ 16.43)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>			
GNMA, Pool #548, 8%, due 4/15/2001	\$ 57.30	(\$ 3.38)	8.00%
GNMA, Pool #650, 8%, due 4/15/2001	232.47	(7.71)	8.00
	<u>\$ 289.77</u>	<u>(\$ 11.09)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 869.49	\$ -0-	8.00%
GNMA, Pool #650, 8%, due 4/15/2001	232.47	(7.71)	8.00
	<u>\$ 1,101.96</u>	<u>(\$ 7.71)</u>	<u>8.00%</u>

GNMA MATURITIES
(April, 1972)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 2,191.58	\$ 130.65	8.00%
GNMA, Pool #184, 8%, due 4/1/2001	520.33	-0-	8.00
GNMA, Pool #548, 8%, due 4/15/2001	93.57	(5.52)	8.00
GNMA, Pool #650, 8%, due 4/15/2001	888.38	(29.47)	8.00
GNMA, Pool #708, 6-1/2%, due 11/15/2001	37.81	1.89	6.50
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	77.64	4.97	6.50
	<u>\$ 3,809.31</u>	<u>\$ 102.52</u>	<u>7.95%</u>
<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>			
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS - RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 14,097.58	(\$ 948.28)	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	76.16	(4.49)	8.00
GNMA, Pool #920, 8%, due 9/15/2001	57.66	1.01	8.00
	<u>\$ 14,231.40</u>	<u>(\$ 951.76)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 119.82	\$ -0-	8.00%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	402.71	19.81	6.50
	<u>\$ 522.53</u>	<u>\$ 19.81</u>	<u>6.84%</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 171.16	\$ -0-	8.00%
<u>GALVESTON MEDICAL BRANCH - DORMITORY REVENUE BONDS, SERIES 1955 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,478.82	\$ -0-	8.00%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	776.39	0.47	6.50
	<u>\$ 2,255.21</u>	<u>\$ 0.47</u>	<u>7.48%</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 120.44	\$ 3.67	6.50%
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969 - RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,984.00	\$ 42.82	8.00%
GNMA, Pool #184, 8%, due 4/1/2001	506.63	-0-	8.00
GNMA, Pool #920, 8%, due 9/15/2001	10.16	0.25	8.00
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	310.44	19.87	6.50
	<u>\$ 2,811.23</u>	<u>\$ 62.94</u>	<u>7.83%</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 540.87	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	30.47	(1.80)	8.00
	<u>\$ 571.34</u>	<u>(\$ 1.80)</u>	<u>8.00%</u>

GNMA MATURITIES
(April, 1972)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>			
GNMA, Pool #920, 8%, due 9/15/2001	\$ 33.94	\$ 0.55	8.00%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	34.55	2.21	6.50
	<u>\$ 68.49</u>	<u>\$ 2.76</u>	<u>7.24%</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 445.02	\$ -0-	8.00%
GNMA, Pool #708, 6-1/2%, due 11/15/2001	27.17	1.36	6.50
	<u>\$ 472.19</u>	<u>\$ 1.36</u>	<u>7.91%</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	<u>\$ 547.71</u>	<u>\$ -0-</u>	<u>8.00%</u>
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	<u>\$ 564.83</u>	<u>\$ -0-</u>	<u>8.00%</u>
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>			
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,041.90	\$ 71.62	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	126.21	(7.44)	8.00
GNMA, Pool #852, 6-1/2%, due 1/15/2002	240.28	10.21	6.50
	<u>\$ 1,408.39</u>	<u>\$ 74.39</u>	<u>7.74%</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971 & 1971A - RESERVE FUND:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 38.84	\$ 1.94	6.50%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	28.48	1.40	6.50
	<u>\$ 67.32</u>	<u>\$ 3.34</u>	<u>6.50%</u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND - RECOMMENDATION RE ADDITIONS, TRANSFERS AND WITHDRAWALS. --The Associate Deputy Chancellor for Investments, Trusts and Lands recommends that the following additions, transfers and withdrawals made to the Common Trust Fund endowment account on March 1, 1972, be approved:

Fund	Recommended Additions
Dr. and Mrs. C. L. Cline Endowment Fund (College of Arts and Sciences Foundation) (\$3,552.08 already in CTF)	\$ 500.00
Jennie and Carl Sundberg Scholarship Fund (College of Arts and Sciences Foundation) (\$21,840.95 already in CTF)	1,000.00
E. Bagby Atwood Memorial Graduate Scholarship in English (\$8,210.07 already in CTF)	130.70
Lillian Barkley Scholarship Fund (\$6,623.97 already in CTF)	200.00
E. M. Barron Fund (NEW FUND)	58,888.72
Florence Ralston Brooke Scholarship in English Fund (\$4,160.30 already in CTF)	1,824.57
The Accounting Education Fund (College of Business Administration Foundation) (\$63,227.99 already in CTF)	1,005.00
J. Anderson Fitzgerald Special Scholarship (College of Business Administration Foundation) (\$10,675.45 already in CTF)	100.00
J. L. Mosle Memorial Scholarship Fund (Department of Finance) (College of Business Administration Foundation) (\$34,520.56 already in CTF)	1,500.00
John Arch White Professorship in Business Administration (College of Business Administration Foundation) (\$101,979.77 already in CTF)	200.00
Morgan and Hamah Smith Callaway Fund (\$22,898.87 already in CTF)	405.83
The Cline Collection of English and American Literature Since 1800 (\$21,647.19 already in CTF)	4,354.21

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions
Roy Crane Awards in the Arts (\$10,637.09 already in CTF)	\$ 38.24
Edward Louis Dodd and Alice Laidman Dodd Fellowship Fund (\$53,528.04 already in CTF)	189.53
J. C. Dolley Finance Education Fund (\$162.28 already in CTF)	4.10
James Leonard Duncan Scholarship Fund (\$8,699.81 already in CTF)	70.88
Alfred and Nellie King Graduate Fellowship (College of Engineering Foundation) (\$15,803.53 already in CTF)	4,961.63
1966 M. E. Class Fund (College of Engineering Foundation) (\$296.99 already in CTF)	4.75
T. U. Taylor Scholarship Fund (College of Engineering Foundation) (\$7,201.89 already in CTF)	315.75
Various Donors - Various Purposes (College of Engineering Foundation) (\$51,312.45 already in CTF)	518.45
Faculty Memorial Fund in Microbiology (\$3,697.14 already in CTF)	150.00
E. William Doty Scholarship Fund (College of Fine Arts Foundation) (\$4,244.14 already in CTF)	270.55
Mavis Alexander Fitzgerald Awards (\$236.29 already in CTF)	4.58
Wayne Franklin Bowman Scholarship Fund (Geology Foundation) (\$12,721.85 already in CTF)	1,000.00
Hal P. Bybee Memorial Fund (Geology Foundation) (\$218,829.89 already in CTF)	14,268.54

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions
Dorothy Ogden Carsey Memorial Scholarship Fund (Geology Foundation) (\$5,492.00 already in CTF) Common stock on hand 2-29-72 transferred at market close 2-29-72 - last business day of quarter 100 shares Standard Oil Company (New Jersey) Capital Stock at 75 1/2	\$ 1,325.00
(Sub-total - Additions to Carsey Fund)	7,550.00 (8,875.00)
Robert H. Cuyler Memorial Scholarship in Geology (Geology Foundation) (\$19,476.32 already in CTF)	470.00
Guy E. Green Scholarship Fund (Geology Foundation) (\$13,433.00 already in CTF)	145.00
J. Hoover Mackin Scholarship Fund (Geology Foundation) (\$7,559.72 already in CTF)	1,155.00
Frederick W. Simonds Memorial Scholarship in Geology (Geology Foundation) (\$20,225.00 already in CTF)	100.00
Udden Memorial Scholarship Fund (Geology Foundation) (\$1,000.00 already in CTF)	10.00
Dr. F. L. Whitney Memorial Scholarship Fund (Geology Foundation) (\$22,526.75 already in CTF)	395.00
F. L. Whitney Memorial Book Fund - Various Donors (Geology Foundation) (\$4,799.05 already in CTF)	550.00
The Gilbreth Award Fund (\$489.93 already in CTF)	8.65
Alice B. Goodwin Scholarship Fund (\$12,085.00 already in CTF)	1,000.00
Bess Heflin Fellowship Fund (\$44,136.13 already in CTF)	6,554.00

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions
Joseph Martin Hernandez, Jr. Memorial Scholarship (\$1,048.86 already in CTF)	\$ 16.09
Hinds-Webb Scholarship Fund (\$161.54 already in CTF)	2.73
Hogg Foundation - Eloise Helbig Chalmers - Ima Hogg Fund (\$3,963.64 already in CTF)	187.08
Thomas E. Hogg - Residuary Legacy (\$6,827.50 already in CTF)	358.73
Journalism Department - Paul J. Thompson - DeWitt Reddick Society (\$37,756.75 already in CTF)	900.00
Library Memorial Fund - Various Donors (\$10,250.25 already in CTF)	330.00
Thomas Shelton Maxey Professorship in Law (\$47,613.51 already in CTF)	42,116.38
The Roger Q. Mills Scholarship Fund (\$73.24 already in CTF)	1.97
Harry Estill Moore Disaster Study Collection (\$1,076.06 already in CTF)	16.39
Sally Beth Moore Scholarship Fund (Home Economics) (\$4,161.80 already in CTF)	390.00
Shiela O'Gara Scholarship Fund (NEW FUND)	2,400.00
The Perry and Tommie Patterson Fellowships in Political Science (\$1,617.17 already in CTF)	27.54
Lora Lee Pederson Scholarship Fund, Graduate School of Social Work (\$7,170.24 already in CTF)	115.23
Raoul Daniel Rene "Daddy" Cline Memorial Endowment Fund (Pharmaceutical Foundation) (\$1,109.73 already in CTF)	21.23

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions
W. F. Gidley Appreciation Endowment Fund (Pharmaceutical Foundation) (\$3,313.58 already in CTF)	\$ 56.67
The Senior Class Endowment Fund (Pharmaceutical Foundation) (\$12,628.75 already in CTF)	208.67
Pharmaceutical Research Fund (\$1,338.44 already in CTF)	31.90
Professorship in Energy Resources (Geological Sciences) (\$25,000.00 already in CTF)	7,382.81
Dr. Edward Randall, Jr. Memorial Fund (\$1,000.00 already in CTF)	15.15
DeWitt Reddick Journalism Scholarship Fund (\$4,316.55 already in CTF)	72.70
Lynda B. Johnson Robb Award (\$2,007.15 already in CTF)	11.39
James M. Rockwell and Sarah Wade Rockwell Endowment Fund (\$134,187.50 already in CTF)	10,000.00
Joanne Thaman Memorial Awards (NEW FUND)	1,327.00
Mollie Fitzhugh Thornton Music Scholarship Fund (\$497.66 already in CTF)	82.93
William H. Tonn, Jr. - Salary Supplement Fund (\$2,000.00 already in CTF)	2,000.00
Vander Poel Fund for Research and Publication (\$27,743.94 already in CTF)	425.37
Robert Leon White Memorial Fund (Architecture) (\$2,000.00 already in CTF)	500.00

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions
Gillette Professorship of Obstetrics and Gynecology (Dallas Medical School) (\$101,550.26 already in CTF)	\$ 329.05
The Lydia K. Karcher Foundation (Dallas Medical School) (NEW FUND)	15,580.73
Pulmonary Research Fund (Dallas Medical School) (\$42,000.00 already in CTF)	928.89
The Josey Professorship of Community Health Services (Houston Medical School) (\$31,218.17 already in CTF)	598.81
Holman Cartwright Fund (San Antonio Medical School) (NEW FUND)	728.00
Fitzhugh Carter Pannill Scholarship and Loan Fund (San Antonio Medical School) (\$4,558.29 already in CTF)	20.00
Dr. Witten B. Russ Chair in Surgery (San Antonio Medical School) (\$11,900.00 already in CTF)	24,760.41
University Cancer Foundation (Anderson Hospital) (\$556,920.37 already in CTF)	242.50
The Robert Cantrell Feamster Foundation (Galveston Medical Branch) (\$3,444.32 already in CTF)	62.03
The James W. McLaughlin Fellowship Fund (Galveston Medical Branch) (\$795,766.12 already in CTF)	10,422.66
The Robertson Poth Professorship of General Surgery (Galveston Medical Branch) (\$72,843.09 already in CTF)	27,156.91
James Wade Rockwell Endowment Fund (Galveston Medical Branch) (\$125,000.00 already in CTF)	12,500.00

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

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Fund	Recommended Additions
William N. and Ida Zinn Alpha Omega Alpha Scholarship Fund (Galveston Medical Branch) (\$3,011.85 already in CTF)	\$ 63.95
Grace Ann Beal Memorial Fund (U. T. El Paso) (\$1,625.00 already in CTF)	10.00
Josephine Clardy Fox Estate Fund (U. T. El Paso) (\$1,130,958.83 already in CTF)	181,502.31
Library Endowment Fund (U. T. El Paso) (\$10,857.83 already in CTF)	520.31
E. Ray Lockhart Library Memorial (U. T. El Paso) \$2,854.00 already in CTF)	399.19
Lloyd A. Nelson Professorship in Geology (U. T. El Paso) (\$102,451.31 already in CTF)	40.00
Patrick Romanell Visiting Professorship (U. T. El Paso) (NEW FUND)	2,500.00
Julia Ann Ross Memorial Scholarship (U. T. El Paso) (\$3,462.88 already in CTF)	485.85
David Waddell Schillinger Scholarship (U. T. El Paso) (\$10,820.88 already in CTF)	180.87
The B. Marshall Willis Library Memorial Endowment (U. T. El Paso) (\$3,173.50 already in CTF)	<u>100.00</u>
TOTAL ADDITIONS TO COMMON TRUST FUND ON MARCH 1, 1972	<u><u>\$459,299.11</u></u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

As of March 1, 1972, the following monies were withdrawn from the Common Trust Fund endowment account as follows:

Fund	Cash Withdrawn
The Rudolph Kleberg Law Library Fund	\$3,199.95
(Units withdrawn at unit market value of \$2.29222945 based on market valuation as of February 29, 1972)	

Results in Common Trust Fund endowment account after withdrawal:

Book Value prior to withdrawal	\$49,130.27	Units held prior to withdrawal	24,995
Book Value Withdrawn	2,743.98	Units withdrawn	1,396
Book Value remaining after withdrawal	\$46,386.29	Units remaining after withdrawal	23,599

Reserve for Profit and Loss:

Reserve prior to withdrawal	\$761,481.83
Loss due to withdrawal	455.97*
Reserve after withdrawal	\$761,025.86

*Difference between Book Value in the amount of \$2,743.98 written off and cash withdrawn in the amount of \$3,199.95, based on Unit Value of \$2.29222945.

The results of the above additions and withdrawals will be THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND with a total Book Value of \$21,713,873.08 with 10,181,621 units outstanding as of March 1, 1972.

SUMMARY

Cash Added 3/1/72	\$451,749.11
Cash Withdrawn 3/1/72	-3,199.95
NET TOTAL CASH ADDED 3/1/72	448,549.16
Securities Added	7,550.00
Total Additions to Common Trust Fund	\$456,099.16